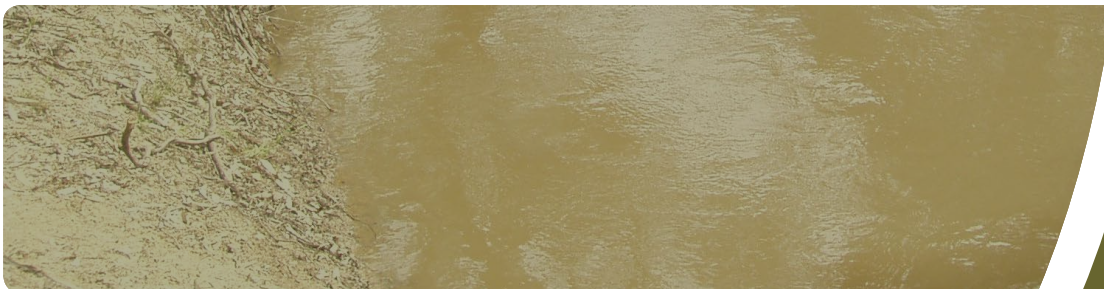




Department of
Primary Industries
Office of Water

PINNEENA 10.2

Continuous monitoring - users guide
New South Wales surface water data archive



Leading policy and reform in sustainable water management

Publisher

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Continuous monitoring - users guide.

New South Wales surface water data archive

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Disclaimer: The information contained in this publication is based on knowledge and understanding at the time of writing (May 2014). However, because of advances in knowledge, users are reminded of the need to ensure that information upon which they rely is up to date and to check currency of the information with the appropriate officer of the Department of Primary Industries or the user's independent adviser.

JTN 12811

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INTRODUCTION

When producing the original PINNEENA CD-ROM in 1990, the then Department of Water Resources' aim was to provide significantly enhanced access to its surface water data archive. It was hoped that the people investigating, planning, managing and conserving NSW's water resources would benefit by having all the necessary data directly accessible from the one disc. While technology has advanced since the first PINNEENA CD-ROM, and the archive has expanded such that it now requires a DVD, this form of data publishing still remains the most effective method of making both large amounts of data and the necessary tools to access and analyse it readily available.

The response from within Australia, and from overseas, encouraged the Department, and its successors (currently the NSW Office of Water (NOW)), to continue to publish its water data on the PINNEENA - Continuous Monitoring DVD and the new PINNEENA - Groundwater DVD discs.

Over the past decade the data and software on the Continuous Monitoring PINNEENA has continued to be regularly updated. PINNEENA DVD Version 10.1 contains version 10.1 of the HYDSTRA programs plus an updated dataset, including new sites and new data, plus images from many of the sites. Because of the large amount of new data, PINNEENA - Continuous Monitoring is now published on DVD.

The Kisters product HYDSTRA, a time series data management software package is used as the data processing, archiving, analysis and presentation tool for the Office's water related continuous monitoring data and is the defacto standard software system for all mainland Australia hydrometric agencies. Key elements of the HYDSTRA system, are provided with the DVD as the "front-end" tool to allow PINNEENA users to access the data contained on the disc.

As in previous versions of PINNEENA, the HYDSTRA spatial viewer module, MAPHYD, is the recommended method for new or occasional users to access the data. This program offers a spatial view of the location of the Office's monitoring sites plus it provides direct access through this interface to the data and to a number of analysis and extraction tools. The use of this tool is explained in Section 7 of this manual.

A selection of HYDSTRA programs are available through the PINNEENA menu structure and offer a wide range of display and reporting tools with on-line help, right click menu options and access to Windows printers and cut and paste. For further information about the HYDSTRA data management system please visit the Kisters general website at <http://www.kisters.com.au> or for more technical information visit the Hydstra website at <http://hydstra.kisters.com.au>.

Note 1: Various graphical and textual outputs presented in this manual may contain one of the succession of names used by the current Office since the original PINNEENA has been developed. As the images and text are still correct in the context in the document they have not been replaced.

Note 2: The HYDSYS company changed the company name, as well as the product name, to HYDSTRA in 2001 and retained this name for the program when it was acquired by the German company Kisters AG in 2004. However, some documentation on the DVD may still refer to HYDSYS, and the two names, HYDSYS and HYDSTRA, are considered interchangeable in this documentation.

Importance of Water Data

According to the 1991 WMO/UNESCO publication "Water Resources Assessment - Progress in the Implementation of the Mar del Plata Action Plan and Strategy of the 1990s".

"...while the world's fresh-water resources are massive, they are not only unevenly distributed in both space and time but also have a finite limit in terms of practical utilisation. improving knowledge of the globe's water resources is indispensable for the well-being of mankind and for the protection of the environment. Reliable information on the state and the trends of water resources is a prerequisite for sound decisions on their sustainable management."

Our water resource around the world are under a number of pressures that drive the need for accurate long term water data. Every where the hydrological cycle is being modified quantitatively and/or qualitatively. Human activities such as; land use change, urbanisation, water storage, inter-basin transfer, irrigation and drainage have major impacts on both the quality and quantity of the resource. It is probable too, that global climate change will have an impact on water resources throughout the world.

Table 1 - World-Wide Flow Variability.

Area	Annual Flow Variation	Peak Flow Variation
World	0.43	0.28
Northern Africa	0.31	0.18
Asia	0.38	0.24
North America	0.35	0.25
South America	0.35	0.14
Europe	0.29	0.17
Southern Pacific	0.25	0.22
Southern Africa	0.78	0.46
Australia	0.70	0.45

Source: Finlayson and McMahon 1991¹

Water data is particularly important in Australia, where evidence suggests that not only is the driest inhabited continent in the world, it also exhibits runoff variability greater than on any other continent except South Africa as shown in Table 1. It has been argued that this variability is not just a product of the variable rainfall but also a product of Australia's unique vegetation and its evapo-transpiration methods.

This variability in Australian conditions has been recognised with the Australian Water Resources Council stating that:

" ... with regard to water resources - the flat topography, aridity, spatial and temporal climatic variability and biological distinctiveness have produced an aquatic environment to which much overseas research is inapplicable" (AWRC 1989)²

Thus it is imperative that Australian authorities both collect and use data from within Australia when making natural resource related decisions. PINNEENA provides just such a resource.

¹ Finlayson BL and McMahon TA, "Runoff Variability in Australia: Causes and Environmental Consequences", International Hydrology and Water Resources Symposium, Perth, October 1991, p 504-511.

² AWRC, "Guidelines for the Design and Operation of Surface Water Information Systems", AWRC Water Management Series, No 18, 1989.

Data Quality Assurance

PINNEENA contains vast quantities of surface water information, some of which is over a hundred years old. While the Office continues to refine and correct data, because of the historic nature of the archive there will be errors and omissions in the data. To assist us to improve our data quality we would ask you to report any errors or omissions that you may find.

The Office's hydrometric data collection activities are quality certified and it undertakes continuous quality assurance reviews of its continuous monitoring data. Your feedback on any data or software errors in PINNEENA will assist with this and contribute to improved data quality in future releases.

We are also interested in hearing of your impressions, experiences and opinions on all aspects of PINNEENA, including the data, the software and the documentation. Included with this manual is an evaluation form which we would appreciate it if you could complete and return once you have explored PINNEENA and have some experience with its use.

PINNEENA Updates

The PINNEENA DVD version numbers reflects both the version of HYDSTRA software on the DVD and the data updates. So PINNEENA DVD **N.3** indicates that Version N of HYDSTRA is being used and that it is the 3rd data update in this series. If the next PINNEENA DVD still used Version N of HYDSTRA, the next PINNEENA DVD version number would be **N.4**.

Future updates of PINNEENA DVD will take place at irregular intervals (typically every 2 years) depending on:

- Product demand
- Data quality changes
- Software enhancements

License Agreement

The NSW Office of Water retains ownership of the data on the PINNEENA DVD but, for the price of the disc, confers the right to use the data for legitimate purposes.

It will be necessary for all purchasers of PINNEENA DVD to sign a license agreement not to market or on-sell the raw data. The various text and graphical outputs may be published, provided that acknowledgment of the source of the data is included in the publication. It is the responsibility of all purchasers to make themselves aware of the requirements of the license agreement.

It is permissible to produce a copy of this DVD for back-up purposes only.

Product Support

If you have a question about the PINNEENA DVD or any of the data and you cannot find the answer in this guide, or if you would like to take advantage of the NSW Office of Water ' services to analyse or validate data sets used, please contact the Water Data Systems Team of the NSW Office of Water in Sydney on the following:

Phone: 02 8838 7881

Fax: 02 8838 7854

Email: waterinfo@water.nsw.gov.au

Support for general questions about data and HYDSTRA-DVD programs can also be obtained from the Office's hydrometric centres in:

Armidale Phone: 02 6774 9550 Fax: 02 6772 7862	Tumut Phone: 02 6941 2240 Fax: 02 6941 4339
Orange Phone: 02 6363 8700 Fax: 02 6361 3839	Bega Phone: 02 6491 8200 Fax: 02 6492 3019
Maitland Phone: 02 4904 2680 Fax: 02 4904 2681	

Acknowledgement

Kisters Pty Ltd owns the copyright to the HYDSTRA software used on the PINNEENA DVDs. This software is used under license.

SETTING UP PINNEENA 10.2. DVD

What you need to use the PINNEENA DVD

PINNEENA is produced to ISO 9660 standards and requires an IBM compatible computer with a hard disk and DVD reader. PINNEENA will run on Windows 2000, XP, Vista and Windows 7 and on both 32 and 64 bit versions of these operating systems where available. It will not run on Linux or older versions of Windows.

This users' guide assumes you are familiar with basic commands and procedures for the Windows operating system. Knowledge of surface water data and HYDSTRA are also considered desirable to utilise PINNEENA to its fullest potential, but they are not essential.

Help is provided for using the data and tools on the PINNEENA DVD both directly from the programs themselves, and in this guide. Further advice if necessary can be obtained by contacting one of the numbers listed in the Product Support section 1.5

Computer Requirements

The minimum configuration for running Pinneena are as follows (ie it still currently runs on a system with the following configuration):

- Intel Pentium II 500
- 640 Mb RAM
- 50 Mb free disk space
- SVGA Monitor (800*600)
- Microsoft compatible mouse
- DVD Reader
- Windows 2000

However the recommended minimum configuration for reasonable performance would be along the lines of the following:

- Intel Pentium 4
- 1 Gb RAM
- 200 Mb free disk space
- XVG Monitor (1024*768)
- Microsoft compatible mouse
- DVD Reader
- Windows XP

Obviously the faster the CPU and the higher the amount of RAM the better the performance will be. All modern machines will run Pinneena. DVD speed is generally not an issue for most modern systems.

A minimum of 50 megabytes of free hard disk storage is required on the PC for temporary files but more is better for PINNEENA and system performance. The operating system must be at least 32 bit, and while the system has been successfully tested in 32 bit versions of Windows 2000 and Windows XP, and in 32 and 64 bit versions of Windows Vista and Windows 7, support is only directly available for the Windows XP systems.

This version of PINNEENA will not run under any version of Linux, Unix, DOS, Windows 3.X, Windows 95/98 or Windows NT 4.

PINNEENA outputs text and high resolution graphics and a XGA screen at 1024 by 768 pixels is the recommended minimum.

PINNEENA will also produce graphical and textual outputs on any Windows supported output device. It is also possible to use the Windows clipboard's cut and paste features to capture this output and paste into other applications eg MS Word.

Note: The outputs from PINNEENA can contain large amounts of data. If plots are produced with missing or incomplete traces it is likely that the printer requires more memory.

Pre-Installation checks

The PINNEENA DVD will run successfully on PC's running Windows 7, Vista, XP, or Windows 2000. However, please note that we have discovered that some systems may have trouble reading DVD +R discs while others may have problems reading DVD -R discs.

This issue is generally evidenced by not being able to fully install the PINNEENA software due to read errors from the disk.

PINNEENA DVD is produced in both versions. If you have any troubles reading the DVD please inform us and send the DVD back to the Parramatta office where a replacement will be dispatched back to you.

If the disk has been damaged and is unusable then you will be charged a replacement fee.

There are some basic things you may need to do before you can successfully run the DVD on some older systems. The installation program checks that these things have been done and flags any areas of concern. However, it is up to you to make any necessary changes.

PINNEENA DVD Set-up

Insert the PINNEENA disc in the DVD reader.

Start Windows Explorer and find the **SETUP.EXE** file on the top \ directory level of the DVD.

Run the **SETUP.EXE** program. This will create the entries in the Start Menu needed to run PINNEENA.

The PINNEENA DVD must be in the DVD reader for the system to work.

Installation in Vista and Windows 7

There can be some issues with installing the PINNEENA software under Vista and/or Windows 7 due to the UAC (User Access Control) features of these operating systems. It is generally less of an issue in Windows 7 as Microsoft recognised the problems from Vista and have relaxed many of the restrictions and automated the responses.

However there are still some common problems that can occur with either version:

1. You may be blocked from installing the program
2. A program may fail to operate due to lack of write permissions in the \Temp directory (HYDSTRA writes temporary files to the \Temp and \Temp\Temp directories and requires write permissions at this level)
3. Issues with accessing the HELP file contents

To make the process more straight forward, we recommend that you are logged on as an administrator to install new programs. However for reasons best known to Microsoft, even though

you may be logged into an administrator account, the install jobs don't normally run with admin privileges.

We suggest that you try to install PINNEENA first. If this is successful, then run a test program such as HYCSV with the parameters shown below.

Code	Site	Suffix	VarFrom	VarTo	Data Type
DATA	201001	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN
DATA	0	A	100.00	141.00	MEAN

TIME Interval, Multiplier: DAY 1.0000

Negative Time Offset: 0.00 (Hours)

Start of First Interval: 00:00_01/01/1980 (Start = End for combined period of record - superset)

Start of Last Interval: 00:00_01/01/1980 (if Data Type <> POINT)

Output Time of Interval: END

Output File: S

Time in days?: NO (NO if template or std time format)

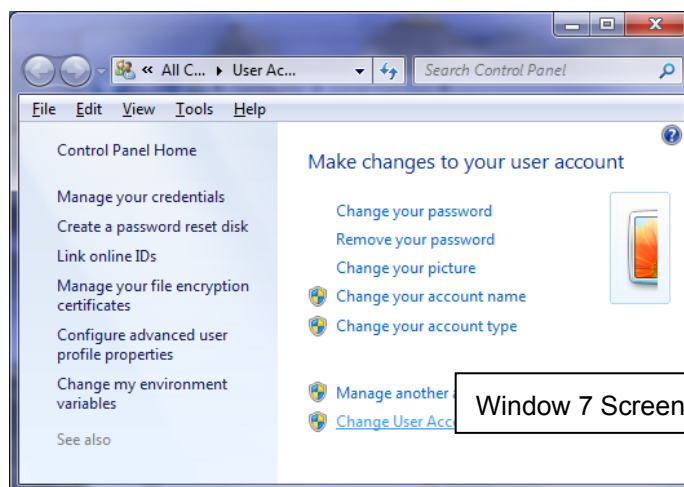
Output Quality Codes?: NO

Time format template: HH:II:EE DD/MM/YYYY

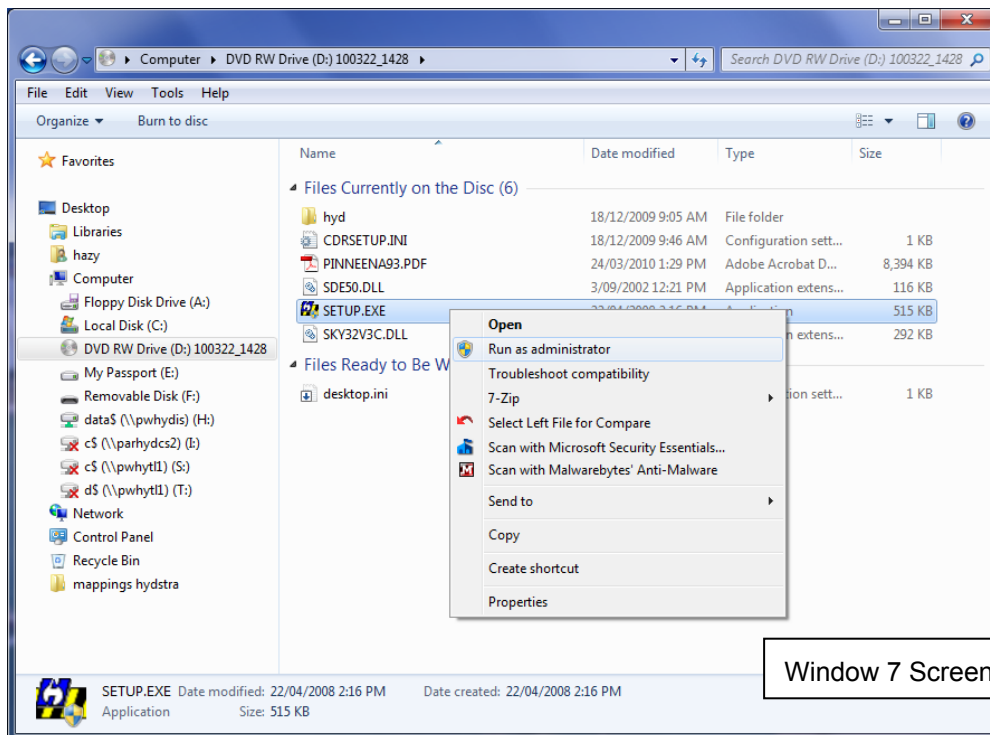
HYCSV complete

This writes a file to the \Temp\Temp directory. If you are successful in both installing PINNEENA and running the program please ignore the following.

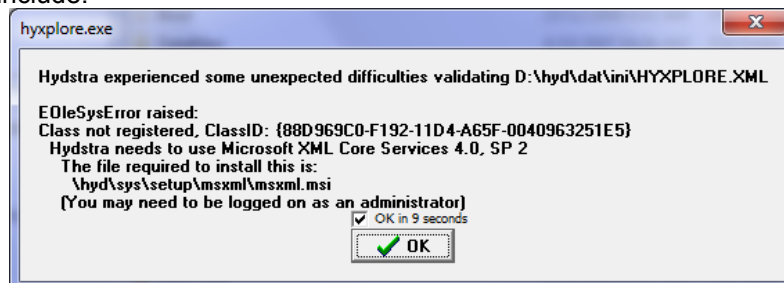
Otherwise, if you are allowed/able to, you suggest that you briefly turn off the User Access Control in Control Panel (in Windows 7 go to Start | Control Panel | User Accounts). Don't forget to turn UAC on again after you have finished the installation and reboot your computer.



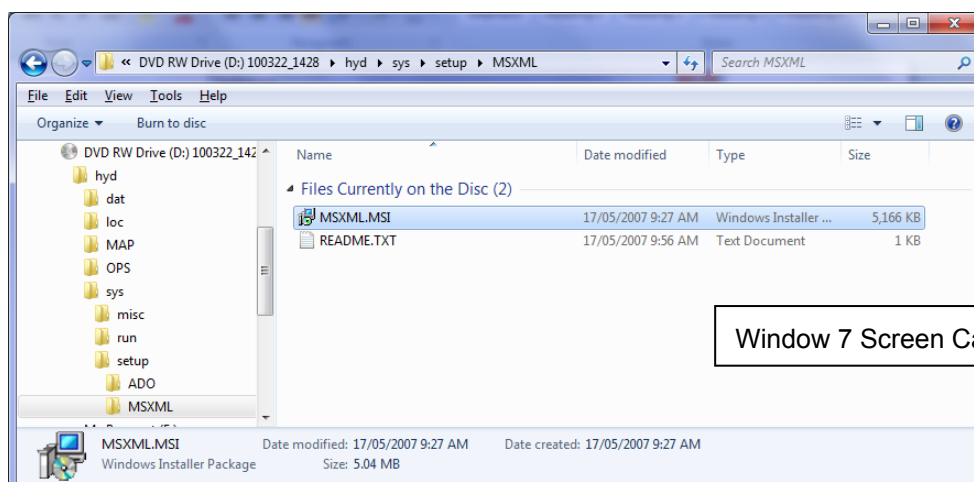
While logged in as an administrator and with the UAC turned off use Window Explorer and right click on the PINNEENA SETUP.EXE file. Then select “Run as administrator”.



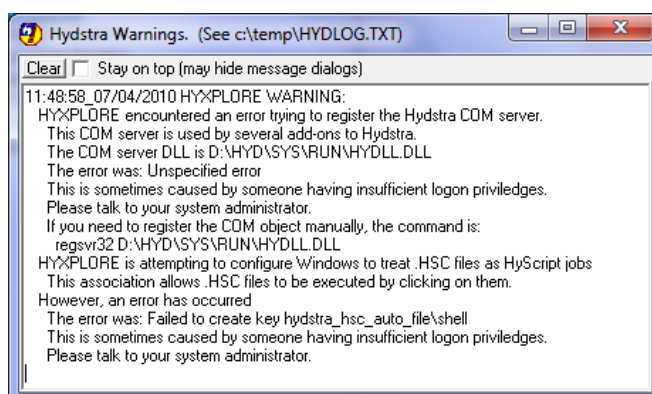
Even with all this other messages may occur which indicate issues with the installation. These messages can include:



Open Windows Explorer and browse the PINNEENA DVD. Find and install the file from the CD as indicated ie \hyd\sys\setup\msmx\msxml.msi



Another message that may appear is shown below.

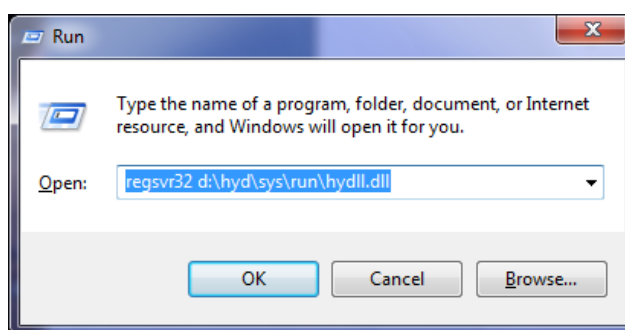


This requires that you select Start | Run... and enter the following text

Regsvr32 d:\hyd\sys\run\hydll.dll

Where d: = the drive letter of your DVD drive

This is shown in the following screen shot:



Also, if you have problems with accessing the Help file contents, ie you see the menu on the left hand side but it returns no content in the right hand panel then please follow the instructions below:

If this occurs you will need to run the CHM.REG file from the DVD in the HYD\SYS\RUN directory.

Again you have to be logged in as an administrator; then use Windows Explorer to find this file on the DVD, right click on it, select run with admin privileges. Again it may be required to do this with UAC turned off.

DISCLAIMER

There are a number of factors which can affect the validity of hydrologic analyses. Some of these issues are examined below.,

Hydrologic Trends

Many hydrologic analyses rely on the data being from a homogeneous sample

The use of hydrologic information that is representative of long term conditions to support natural resource management decisions is very important in Australia because of the extremely variable climatic conditions that occur. Marked shifts in climate regime, known as secular changes, also occur from time to time. These climate characteristics are most pronounced in south-eastern Australia, and particularly in NSW.

In NSW, rainfall, stream flow and other hydrologic data show that from about 1948 to about 1995 the climate was significantly wetter on average than in the period from about 1890 to 1948 and the subsequent decade and a half. In terms of rainfall the increase was about 15% while in terms of stream flows increases of as much as 60% were noted. Droughts also tended to be much shorter in the period 1948-1995 than they were between 1890 and 1948, however the latest drought beginning around 1995-2000 is now defying this trend in many regions.

While data was sparser in the 19th century, it is evident that in about 1890 an opposite shift to that of 1948 occurred, and that other shifts up and down of varying magnitudes and durations occurred before 1890 (based on data from Lake George). It is therefore apparent that secular changes in climate, either up or down, can occur at any time (although it is too early to be certain a shift down may have occurred in about 1991).

Climate Zones in NSW:

NSW covers a number of climatic zones. In the inland there are three main zones. In the south of state the rainfall pattern is winter dominated (the Murray, Murrumbidgee, and Lachlan basins), while in the north of the state the rainfall pattern is summer dominated (the Border Rivers, Gwydir and Namoi basins). The Macquarie basin is in a transition zone between winter dominated rainfalls in the south to summer dominated in the north. In the Murrumbidgee the Monaro area around Cooma is something of an exception - any rainfall it gets is mainly in spring.

On the coast and eastern side of the ranges local orographic effects complicate the situation. Dorrig, Laurieton, Comboyne, the Barrington Tops, the Illawarra and around Gosford are examples of areas where local orographic effects are strong. On the North Coast, north from about Grafton, there is a winter peak in rainfalls due to onshore south-easterlies (in contrast to across the ranges). The Hunter and the Warragamba catchments exhibit a mixture of coastal and inland characteristics (stronger in the Hunter).

Data Quality

The data on this DVD is as recorded by instruments in the field. Data editing and gross error correction has been undertaken where required and the data has been quality coded based on a hydrographer's opinion of the instrumentation's operation. It is recommended that users make themselves familiar with the Office's quality code system, which is explained in the section on Data and .

However no hydrological examination of the data is conducted before it is included on the archive or the PINNEENA DVD. Therefore the NSW Office of Water can make no guarantee that data used conforms with the guidelines for data as set down by Australian Rainfall and Runoff for the use in the included analysis programs.

This applies in particular to Flow Duration Analysis (HYFLOW and HYLOWFL) and correlation programs (HYMASS, HYCATCH and HYLOTXY).

Users of these programs should be aware that for computer generated results:

- i. data extracted may not be homogenous due to changes at the site, land use changes, storage construction, changes in rating tables, etc.
- ii. the data may contain periods where only daily read data is available, and monthly peak data stored is, in reality, a daily value.
- iii. extraction of peak series data takes no account of independence criteria.

It is recommended that outputs from these analyses be used only as a guide, and a thorough investigation of the data be undertaken if definitive conclusions are to be made.

PINNEENA DATA

PINNEENA contains the majority of the information stored in the NSW Office of Water's surface water archive. This version of PINNEENA contains the following data in its archive files (this does not include data that has been collected but not yet processed):

- 143,695 years of daily stream flow information from 1484 sites
- 33,350 years of continuous stream height data from 1357 sites
- 12277 years of continuous groundwater level data from 1721 sites
- 3540 years of continuous rainfall data from 222 sites
- 4980 years of continuous conductivity data from 397 sites
- 5600 years of continuous water temperature data from 854 sites
- 308 years of continuous turbidity data from 61 sites
- 105 years of continuous air temperature data from 34 sites
- 269 years of continuous pH data from 44 sites
- 44 years continuous wind data from 11 sites

As well, PINNEENA 9.3 contains a range of ancillary data including:

- 260,890 gaugings from 1892 sites
- 34630 rating tables from 1656 sites
- 6072 cross sections from 1390 sites
- 3,663 geo-referenced site details

The data is from both current and discontinued Office gauging sites. It also includes data from former Office sites that have been transferred to other authorities and for sites that have been transferred from other authorities to the Office. For these sites transferred to other authorities, only the data that was collected while the Office operated the sites is included.

Some sites may have no data archived. They may be used for flood warning or compliance and control purposes and/or they may be relatively new sites where no data has yet been collected.

Typical Gauging Site Data

A typical time series data set for a site is shown in the table on the following page. This information is an extract from the Period database which is available through the Site database manage. This database shows all the time series data that has been collected at a site as well as a range of other useful operational information.

MURRUMBIDGEE RIVER AT WAGGA WAGGA

Type of Data	Start Date of Data	End Date of Data	Number of Days of Data	% Bad/ or Missing data
100.00 Level (Metres)	01/10/1868	29/07/13	52896	11.0
100.09 Level (Meters)	02/01/1844	11/09/2000	57231	0.0
141.01 Monthly Maximum Instantaneous Discharge (ML/Day)	01/01/1868	01/01/2014	53326	12.0
141.02 Monthly Minimum Instantaneous Discharge (ML/d)	01/01/1868	01/01/2014	53326	12.0
151.00 Total Daily Discharge (ML)	01/01/1868	01/01/2014	53326	15.0
151.01 Total Monthly Discharge (ML)	01/01/1868	01/01/2014	53326	10.6
151.02 Total Annual Discharge (ML)	01/01/1884	01/01/2101	109573	57
2010.00 EC @25°C (µs/cm)	27/05/1993	05/09/2012	7040	7.0
2012.00 EC (µs/cm)	22/04/2010	29/07/2013	1194	10.0
2030.00 Turbidity (NTU)	27/05/1993	13/06/2012	6956	34
2080.00 Water Temp. (°C)	27/05/1993	29/07/2013	7368	3.0

There are several things of note about the data in this table:

1. Type of Data - Variable Numbers

As shown by this table many different types of data types can be collected at one site. To distinguish these different types of data they are allocated unique “Variable Numbers”, and many different “variables” or types of data for the same site are held in a single data file. Common variables available on PINNEENA are:

Stored Data

10.0	Rainfall	(mm)
100.0	River Height	(Metres)
110.0	Bore Water level (SWL)	(Metres)
130.0	Storage gauge level	(Metres AHD)
141.01	Monthly Maximum flow	(Megalitres/Day)
141.02	Minimum monthly flow	(Megalitres/Day)
151.00	Daily total flow	(Megalitres)
151.01	Monthly Total Flows	(Megalitres)
151.02	Yearly Total Flows	(Megalitres)
184.0	Pumping Rate	(Litres/second)
300.0	Logger Battery Voltage	(Volts)
500.0	Wind Direction	(Degrees)
515.0	Wind Speed	(Metres/Second)
519.0	Wind Run	(Kilometres)

550.0	Barometric Pressure	(Hectopascals)
998.0	Catchment Area	(Sq Kilometres)
2010.0	Water Conductivity	(Microsiemens/cm @25C)
2030.0	Turbidity	(NTU)
2063.0	Ambient Air Temperature	(Degrees Celcius)
2070.0	Humidity	(Percentage)
2080.0	Water Temperature	(Degrees Celsius)
2100.0	pH	(pH)

Other common Variable Numbers which are not stored but are used frequently and are computed on demand by programs within PINNEENA include:

Computed Data

140.00	Instantaneous Discharge	(Cubic Metres/Second)
141.00	Instantaneous Discharge	(Megalitres/Day)
2006.0	Salt transport Rate	(Tonnes per day)
2007.0	Total Salt Load	(Tonnes)
2169.0	Salinity (TDSalts)	(Milligrams per Litre)

A full list of variables is available from the Variables Database in the HYDSTRA menus.

2. Variable Conversion

Most of the programs on PINNEENA ask for a **VarFrom** and a **VarTo**.

The image shows a graphical user interface for variable conversion. It consists of two labels, 'VarFrom' and 'VarTo', each followed by a text box and a dropdown arrow. The 'VarFrom' text box contains the value '100.00'. The 'VarTo' text box contains the value '141'.

This is so that the desired data type can be selected (VarFrom) and this data can then be displayed “as is” (VarFrom = VarTo) or converted to something else (new VarTo number as shown above). The conversions will be made based on the stored conversion factors and relationships available for the original data.

The most common conversion is from 100 to 141, ie convert water level in metres to discharge in megalitres per day, which is calculated by looking up a rating table. A table of the common conversions is shown below.

Common Conversions

VarFrom (Stored Data)	VarTo (Computed Data)
10 Rainfall (mm)	9 Rainfall (Points)
10 Rainfall (mm)	20 Rainfall Intensity (mm/hr)
100 Stream Water Level (M)	101 Stream Water Level (Feet)
100 Stream Water Level (M)	141 Instantaneous Discharge (MI/d)
100 Stream Water Level (M)	151 Stream Discharge Volume (MI)
100 Stream Water Level (M)	2006 Salt Transport (tonnes/day)
100 Stream Water Level (M)	2007 Total Salt Load (Tonnes)
130 Storage Water Level (M)	136 Reservoir Volume (MI)
130 Storage Water Level (M)	137 Reservoir Surface Area (Ha)
130 Storage Water Level (M)	433 Spillway Discharge (MI/d)
130 Storage Water Level (M)	444 Effective Full Storage Volume
130 Storage Water Level (M)	448 % Effective Full Storage Volume

VarFrom (Stored Data)	VarTo (Computed Data)
141 Inst Discharge (MI/d)	140 Inst discharge (Cumecs)
141 Inst Discharge (MI/d)	143 Inst Discharge (Litres/sec)
141 Ins Discharge (MI/d)	144 Instantaneous Discharge (Cusecs)
141 Inst Discharge (MI/d)	151 Stream Discharge volume (M)
151 Stream Discharge Volume (MI)	160 Catchment Runoff Depth (mm)

Note: These conversions will only produce data if:

- all the appropriate stored data is available
- the quality code is sufficiently high to allow data to be displayed
- appropriate look up tables exist for the desired periods

Quality Codes

So that data users can know whether the data they are using has been measured or estimated and whether they are the actual or adjusted readings each data point stored in a site's data file has a quality code associated with it. These codes are to assist modellers with quantifying model uncertainty; resource managers to know how close the recorded value is to a fixed reference, etc.

When collecting the data various forms of a fixed reference are used to verify the veracity of the data.

The fixed reference for water level may be a gauge height from gauge plates installed in the river bank which has been levelled to a recognised benchmark. For a water quality parameter a value may have been measured by a portable instrument, which has been checked against a traceable standard.

As well, manufacturers generally specify accuracy in terms of a percentage of the full scale range of the equipment, rather than specifying a standard error. Their calibration procedures require that all test readings are within the specified tolerances, and instruments are rejected if they do not meet specifications.

Thus, provided that instruments are calibrated regularly according to standard procedures, and that calibration check indicate results are within manufacturers' specification, quality codes 1,3,5,7,9 can be interpreted to indicate that results are within a 95% confidence interval of the true value as far as instrument calibration is concerned.

Quality codes in the range 2,4,6,8,10 are for data that are adjusted from the value read by the sensor. These quality codes can be extracted to digital files along with the values.

The Print Codes associated with quality codes are shown on printed reports, but not on graphical outputs.

Note: When undertaking data analysis using the HYDSTRA programs data with quality codes greater than 150 are automatically discarded.

Also many of the data conversions involve combining multiple quality codes. For example computed flow data is a combination of height and rating tables, each of which have their own quality codes. The resultant quality code of the computed flow is the worst of the height and ratings.

The full list of Quality codes used by NOW are shown in Appendix C.

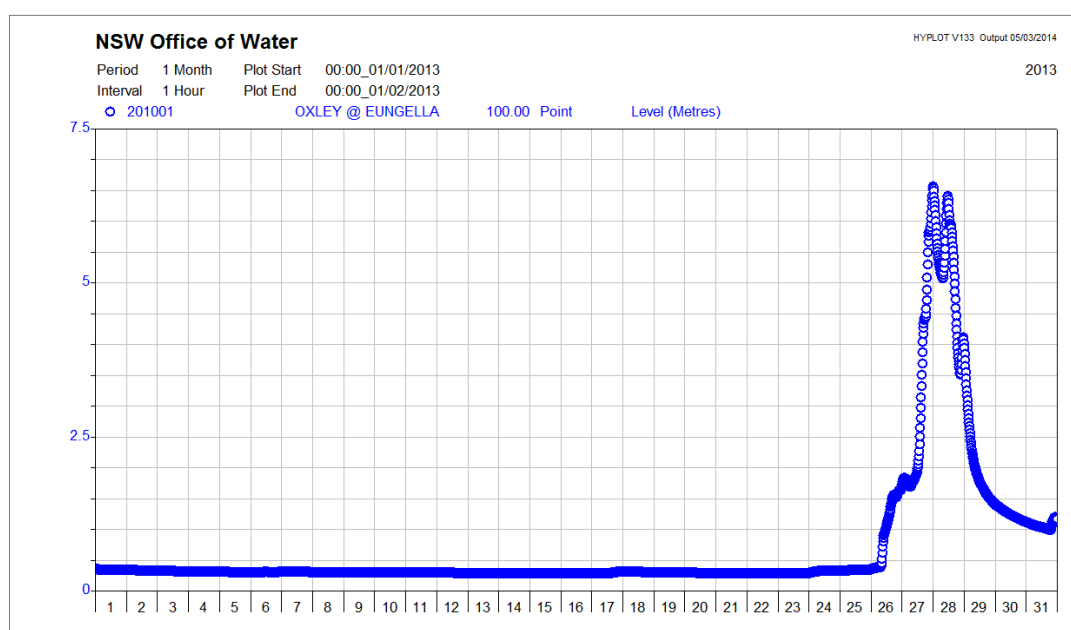
“Continuous” Data

While this is the most common type of data stored on the PINNEENA archive, the name is something of a misnomer in that the data is not continuous rather it is digitally sampled at regular enough intervals to allow an accurate representation of the continuous trace of the data.

With the advancing technology, analogue devices such as a chart recorder, made it possible to continuously record the hydrometric processes as they occurred in nature. However to store this continuous data in computers, it was then necessary to sample it at discrete intervals, ie to digitise the data.

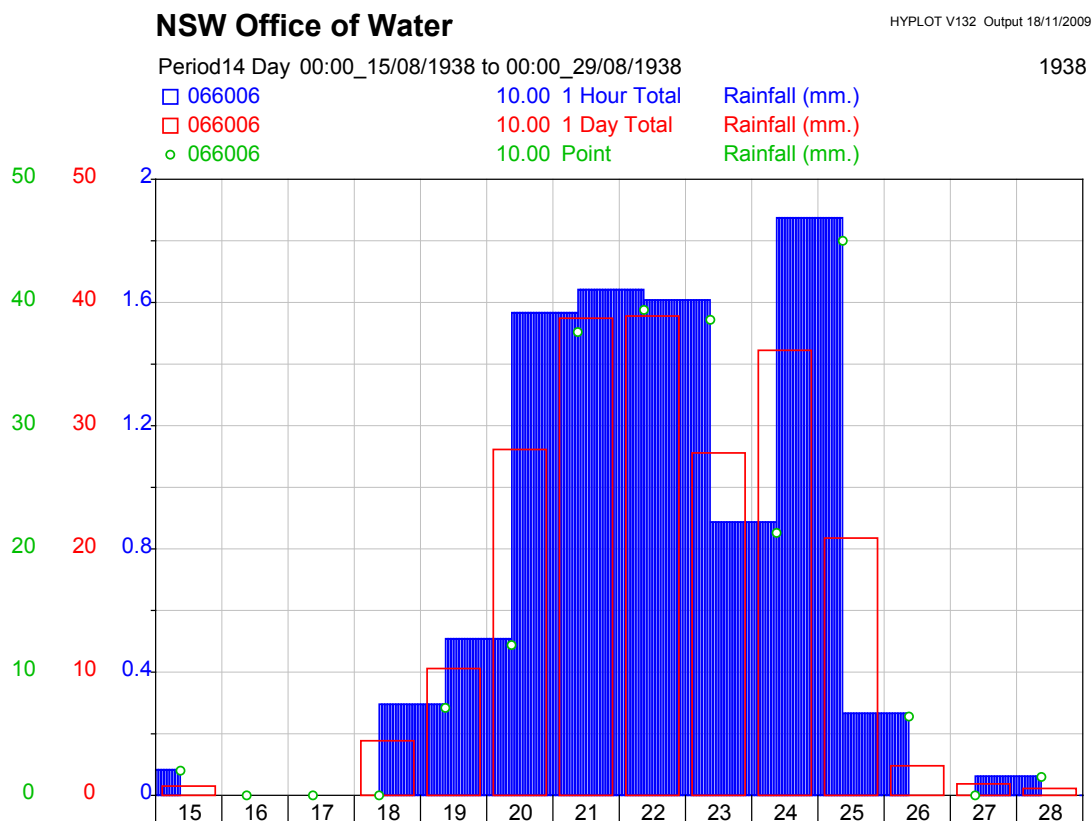
These intervals were chosen so that the data points extracted were able to accurately represent what had occurred in the continuous process. With digital data loggers being used today, this sampling is done automatically. Typically on NSW streams, the recording interval is between 5 - 15 minutes while in groundwater bores the sampling interval is most commonly 60 minutes.

The following plot shows the data displayed using the LINEP (or line and point) option from the HYDSTRA program HYPLOT. Typically the data points are at 15 minute intervals. You may notice some periods where there are no points. This is a feature of HYDSTRA. Where many points fall on a line only the start and end points need to be stored. Any information between these two points can be interpolated. Removing the points compresses the data file size and speeds operation of the programs.



Daily Data

Daily data is where one value represents the value for a day. This is a fairly common concept for rainfall data and for historic river flow data. However, both daily data and HYDSTRA outputs have some issues that people should be aware of before using the data or interpreting outputs.



So what is daily data?

Daily data can be either a mean rate (volume per time period) or a total (volume) value for a specified 24-hour period. Common examples of daily data on PINNEENA would be total daily flow volume in megalitres (variable 151) and daily rainfall volume in millimetres (variable 10), these are both total variables.

Daily Data Issues

Scaling

What you are seeing on the diagram above is 3 traces

- Solid Blue Histogram – 1 hour totals
- Dashed Red Histogram – 1 day totals
- Green Circle Points – actual recorded value

For two of the traces, green and red, the axes scaling (values on the LHS of the graph) are the same, both are daily values while the third scale is significantly different.

What appears as a blue histogram for a 24 hour period actually consists of a series of interpolated hourly histograms. This is shown by the information at the top of the graph. The period is 14 days and the interval is 1 hour. Both of these values can be controlled by the users but if you use the

default option the program will select the best option for displaying the data and the time step will generally be less than 1 day for short periods of time.

This has a profound effect on the scaling of the graphs and what you might expect to see when dealing with daily data.

By reading the scale markings in blue you can see that for the period from 9:00 am on the 18th to 9:00 am on the 19th the hourly rainfall is some 0.3 mm (it is actually 0.2917mm). This may suggest that the daily rainfall is 0.3 mm. However this is the hourly value, to get a daily value you need to convert the data to a daily total of 7mm (24×0.2917) which has been recorded at 9:00 am on the 19th. This is confirmed by the green circle which shows a value of 7mm at 9:00am on the 19th.

How do we show daily data?

Daily data is either a mean or a total over a 24 hour period. The question is which 24 hour period?

The data shown in the graph on the previous page is daily rainfall data. It is recorded for the period 9:00am to 9:00am. The value is recorded at the time the rainfall is measured so it is the total from the previous 24 hours.

In the diagram, the 7 mm of rainfall that is recorded on the 19th is the total for the whole 24 hour period proceeding, from 9:01 am on the 18th to 9:00 am on the 19th. All the rainfall could have occurred at 10:00 am on the 8th or at 8:00 am 19th. There is no way of knowing.

Note: the 9:00am value is a historic anomaly related to the official opening hours of government offices (often Post Offices) when staff could be reliably be expected to be able to obtain a reading.

This was the case with historic river flow data as well. Its another historic anomaly as many of the early gauge readers were Post masters as well. However, modern daily river flow data is different. This form of daily flow data is calculated and recorded at midnight for the previous 24 hour period.

PINNEENA will by default display daily data as from midnight of the current day back 24 hours to the midnight of the previous day. This does some interesting things as is shown by the red line (daily rainfall data) on the earlier diagram.

If you compare the red line (daily rainfall) with the recorded value (daily rainfall at 9:00am) you will see that they are not the same.

What is happening is that HYDSTRA is doing what you asked. It is providing you with daily data for the default time step you have specified, ie from midnight to midnight. In producing this daily data it interpolates 9:00 am to 9:00 am data so that the data displayed is for the daily period.

So for the daily total for the 18th for the first 9 hours no rainfall occurred, for the next 15 hours 5/8ths (15hrs/24hrs) of the total occurred. By adding these two totals we get $0 + 4.4 = 4.4\text{mm}$

For the 19th for the first 9 hours the remainder of the 7 mm occurred (3/8ths of 7mm) plus most (5/8ths) of the 12.5 mm that was recorded on the 20th. So by adding these two totals we get $2.6 + 7.8 = 10.4\text{ mm}$.

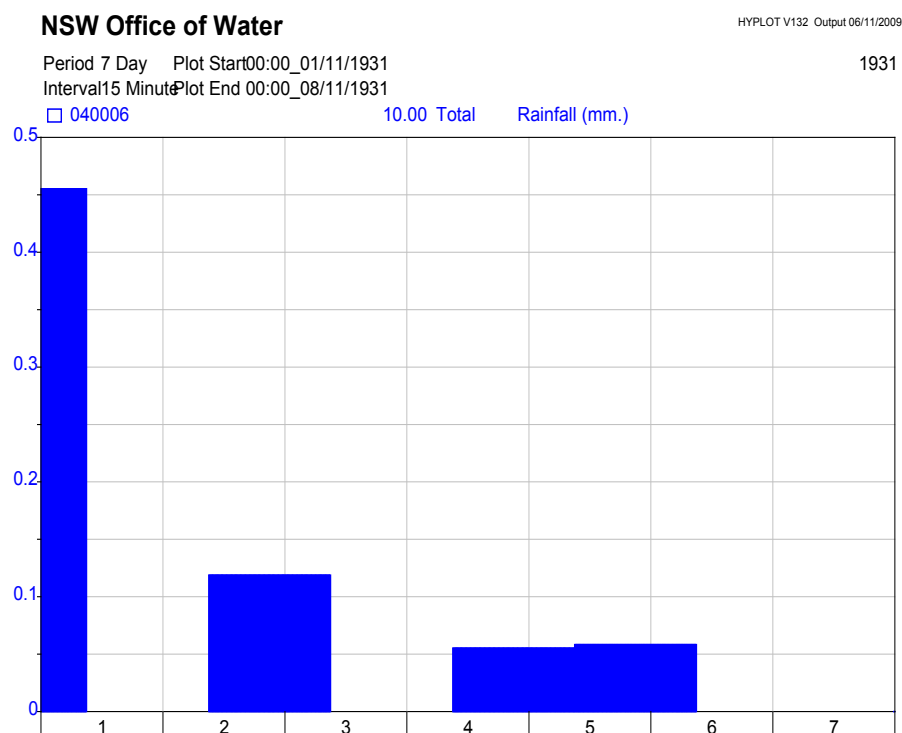
This also means that at if we wish to interpolate for any time during that 24 hour period the mean value or the total for the 24 hour period is still the same. This is the reason that a graph of daily data should look like a histogram.

When using this type of data, if you ask what the daily rainfall data is at 2:45 am on the 18th you will get the same answer as if you asked what the daily rainfall data was at 10:05 pm on the 18th or at any other time during the same 24 hour period.

Not all other organisations follow this convention of 24 hour preceeding so you need to check how the data is applied and when the data is recorded.

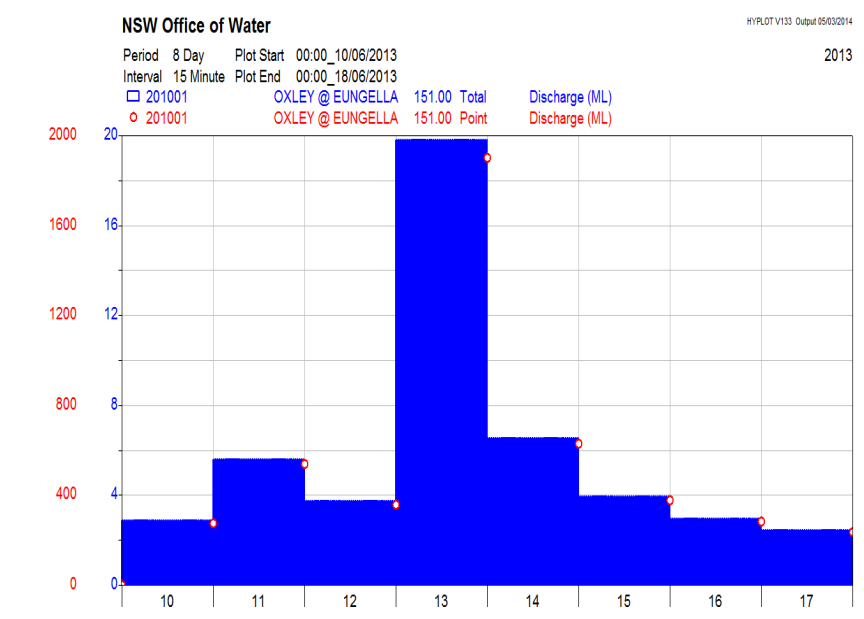
Which 24 hour period does the data apply to?

Historical daily river flow data (and rainfall data even today) was read in the mornings typically at 9:00 am. So the “day”, the 24 hour period, is in fact from 9:01 am yesterday to 9:00 am today.



In the graph above, the rainfall that is recorded on the 3rd November is the total for the whole 24 hour period preceding, from 9:00 am on the 2nd to 9:00 am on the 3rd. As previously stated, all the rainfall could have occurred at 10:00 am on the 2nd or at 8:00 am on the 3rd or there could have been steady rain from 9:01 am on the 2nd. There is no way of knowing.

When using this type of data, if you ask what the rainfall is at 11:45 pm on the 2nd you will be given the same answer you would get if you asked what the rainfall was at 3:05 am on the 3rd or at any other period during the same 24 hour period.



As shown in the graph above, daily flow data computed from continuous data is recorded at midnight (red dot) and applies for the 24 hour period previous (blue line).

Unfortunately there is no convention for the storage of daily data. It can also be especially confusing when comparing daily data from different sources.

You need establish when the data was recorded and what day the data applies to.

Flow Archive

At most long term gauging sites in NSW, height data has been recorded by several methods. The method of collecting the data affects both the quality of the data and how the data has been stored on the archive.

- The earliest data from the late 1800's was daily read data. During periods of low flow, typically one height reading a day was taken around 9:00 am. This information was stored on a card system and mailed back to a central location. These cards and/or microfiche copies of the cards are available to be viewed.

This single recorded water level value was assumed to be the average height for the day. During flood periods several height readings may have been recorded and an average height for the day was computed from these readings.. From this information a mean daily flow figure was obtained. Typically only the flow data was recorded.

- When early chart recorders were first installed around the late 1950's information was extracted manually from the chart and either the equivalent of the 9:00 am reading was adopted or an attempt was made to average the height for the day. This was recorded on a card system. It was the policy of the Office at that time to manually compute and store daily flows, plus a monthly summary consisting of total flow, instantaneous maximum and minimum flows, mean daily flow and runoff.

Manual computation involved :

- The manual extraction of height information from the daily read cards, or Bristol or Stevens charts. The Hydrographer would determine the number of heights required to adequately define the flood hydrograph. This could vary from 1 point to in excess of 15,

- ii) The conversion of these heights to flow via a rating table and a mean daily flow calculated,
- iii) The manual extraction of minimum and maximum heights, allowing the determination of the extreme instantaneous flows,
- iv) The transfer of this information to monthly summary cards,
- v) The dispatch of these cards to Sydney,
- vi) The manual entry of this data onto the mainframe computer system in Sydney.

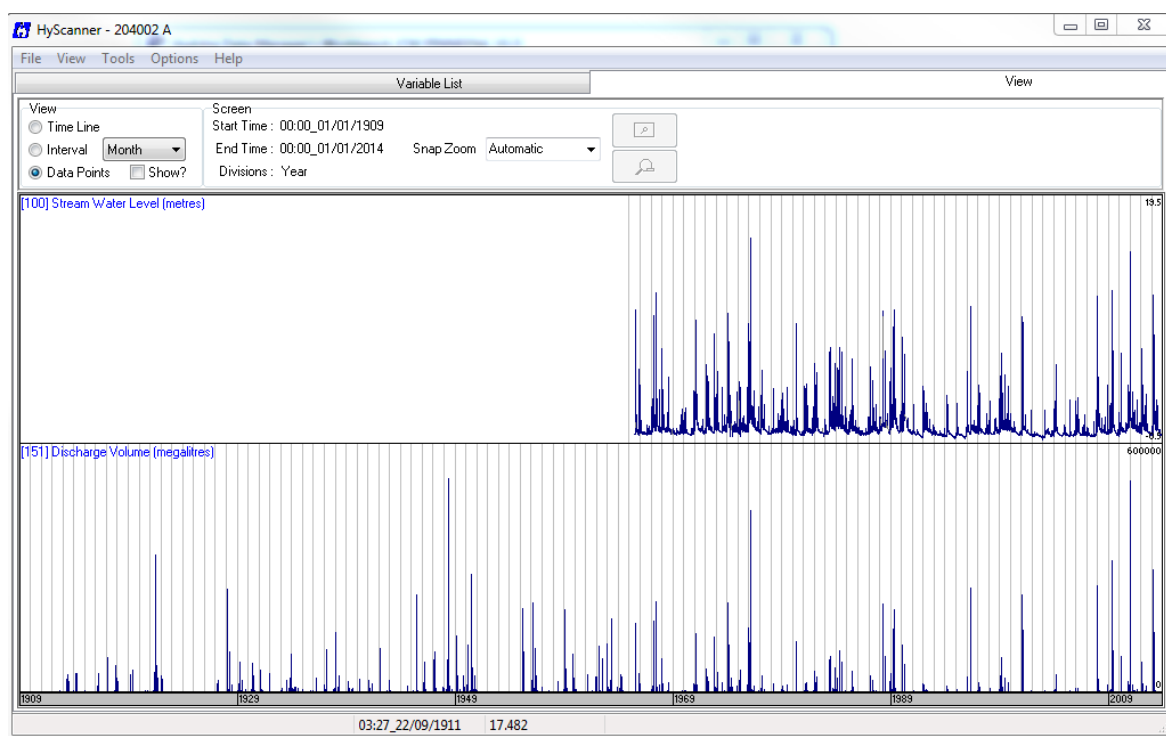
While this was the best method available at the time, its multiple manual extractions and manual data entries lead to several areas in which errors could be introduced. Additionally, there were only cursory checking methods available at this time.

- Digitising machines became available in the early/mid 1970's and it was possible to convert the charts to digital information. At this time computer systems were also available this made it possible to store many height readings during the day from the charts, as well as other hydrographic information such as rating tables. This enabled instantaneous and peak flows to be computed as well as the daily flows.
The Office started full time digitising and storing of its height data in the early 1970's and due to the large amount of data to be digitised only the current chart data was processed in this manner. While height data has been entered at some important sites for the whole period of record, for most sites there is only a continuous period of flow data from the 1970's.
- Digital loggers were gradually introduced in NSW from the early 1990's and now the gauging network in NSW is predominantly digital. These loggers typically record data at 15 minute intervals or on an "event" basis (ie a reading is taken every 15 minutes but the value is only stored if it is a specified amount different from the previous reading).

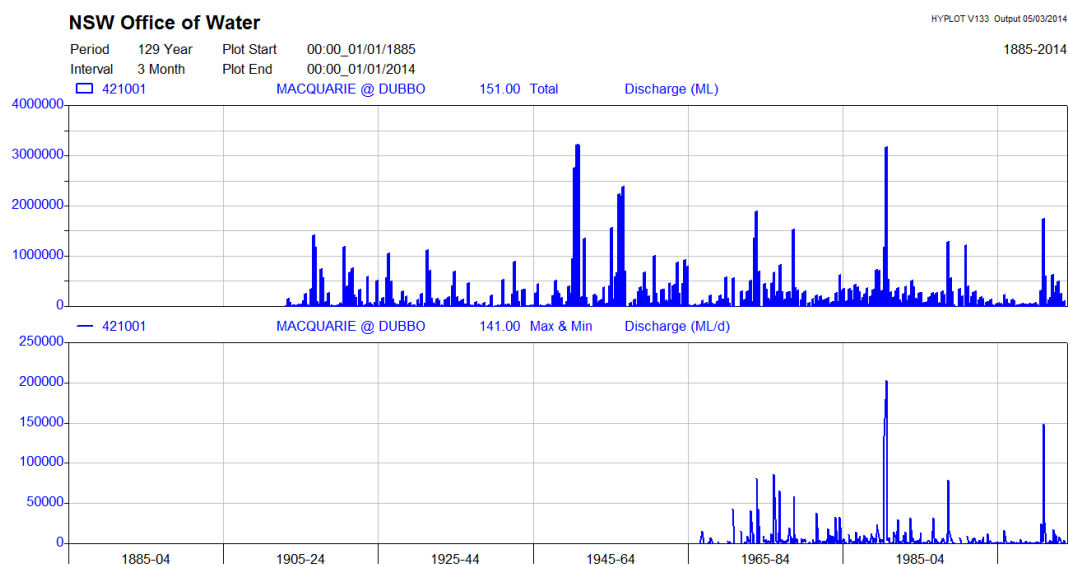
Generally it is more efficient to store height data and compute flow data as required and many authorities do this for their whole period of record. However because of its extensive historic flow archive the Office adopted the policy of computing flow data and storing both flow and height data on the archive. This gives a partial continuous height and computed continuous flow archive and a complete daily flow archive. This Flow Archive is stored as 151 data and is separate from the instantaneous flow data that you compute using the VarFrom and VarTo system (100 to 141).

Example 1: for site 204002 Clarence River at Tabulam, the following diagram shows the period of record of continuous stream water level [100] data and the much longer record of daily flow data (discharge volume) [151] data.

- if you used the common flow settings of 100 to 141 you would get data from 1965 to date.
- if, however, you used the flow archive settings of 151 to 151 you would get daily flow data from 1912 to date



Example 2: for site 421001 Macquarie River at Dubbo, the following diagram shows the period of computed continuous discharge [100 to 151] data (bottom graph) and the much longer period of recorded daily flow data (discharge volume) [151] data.



Mean Flow versus Total Flow

Because of the non ISO standard flow units adopted by the Office (megalitres per day), the daily total volume at a site is in megalitres (in the day), and the mean flow for the site is in megalitres per day and this will produce the same value. This can be confusing.

Using the Offices units, if the daily volume was 240 megalitres, the mean daily flow rate would be 240 megalitres per day.

While the value is the same, the units are different. Also if these flows were expressed in the ISO standard units then the values are quite different. The daily total would be 240,000 cubic metres and the mean flow for the day would be 2.78 m³/s.

So be wary with total and mean values, they are quite different in concept and usage. For example you can add 7 daily totals to get a weekly total flow but you cannot add 7 daily mean flows to get a weekly mean flow.

Rainfall Data

Rainfall data is another special type of data. This type of data is generally stored as either instantaneous total or cumulative data and can be displayed in several different ways as is shown below..

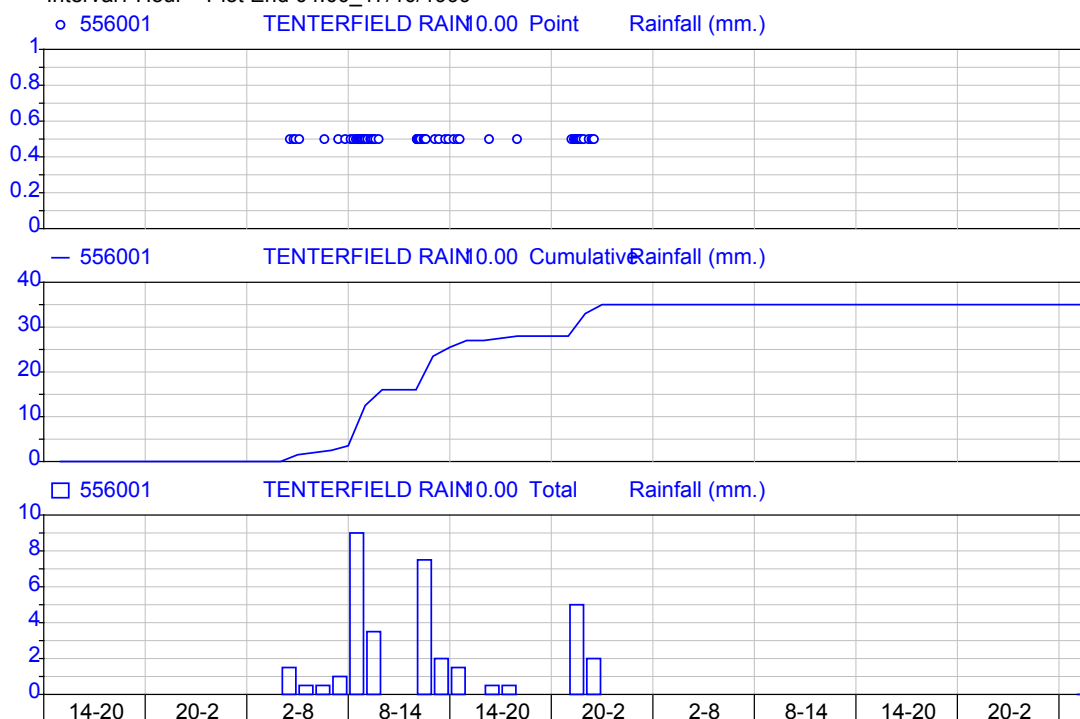
NSW Office of Water

HYPLOT V132 Output 09/11/2009

Period 62 Hour Plot Start 14:00_14/10/1999

1999

Interval 1 Hour Plot End 04:00_17/10/1999



Rainfall typically occurs as a result of an event, a thunderstorm, weather front, etc. So there are long periods of no rainfall followed by groups of rainfall “events”.

Most modern rainfall recorders use a ‘tipping bucket’ system. Each time a set depth of rain (usually 0.2 or 0.5 mm) falls, a bucket tips making an electrical contact, and the time of the tip is recorded (the rainfall “event”). Conceptually, HYDSTRA treats the full depth as having fallen at the instant the bucket tipped. This is shown in the top most graph.

This ability to record the instantaneous rainfall also allows us to construct continuous cumulative volume data, as shown by the middle graph.

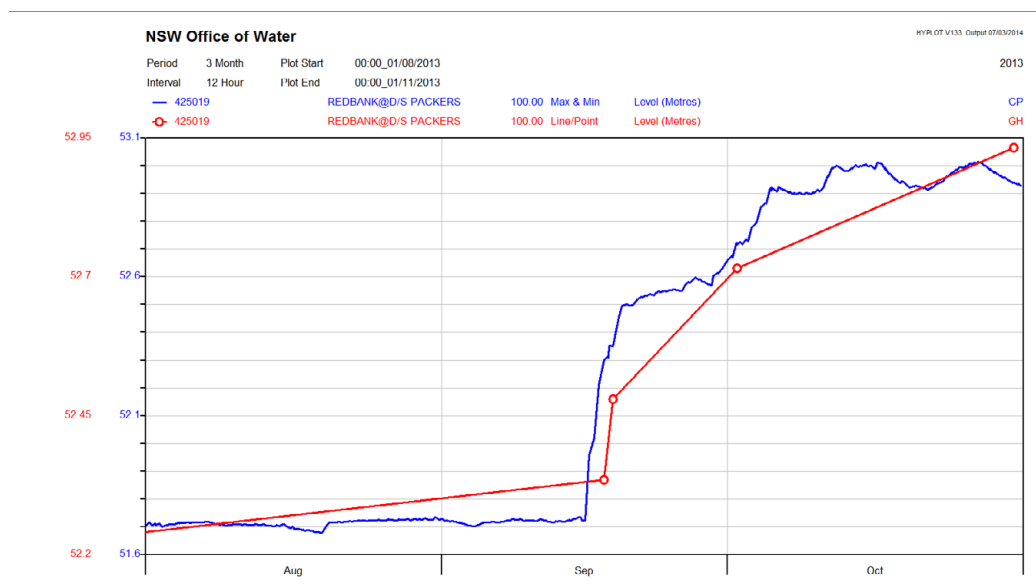
This line represents each of the individual bucket tips added together at the time the tip occurred. This allows us to calculate the volume of rainfall that occurred between any specified period.

Earlier recording of rainfall used cumulative methods. A container captured the rainfall for a defined period, typically a day. In some instances with the modern rainfall recorders, rainfall is also accumulated but typically over a shorter period from 15 minute to one hour.

This means that it is not possible to assign any information about intensities for shorter periods or provide information about when the rainfall event(s) occurred during the period. The bottom most graph shows the hourly values which consists of the sum of all the 0.5mm bucket tips during the that particular one hour period. It is possible to use this technique to produce totals to match the usual 9:00am to 9:00am of historical rainfall data.

Point Data

Point data is associated with discrete events. Typically the time between the measurements makes than independent so that the value obtained from one event should bare no relationship with data captured from another event. The classic example of this would be water quality sampling where a stream is sampled every month.



With true point data within HYDSTRA there is no rational way that these points can be connected to accurately represent what happened between the points. This also means that it is not possible to interpolate between these points.

The graph shows gauging height measurements (red circles) at a site downstream of a weir. These are point data, they are unique measurements that cannot be related to one-another. However it can be seen that while the point data and the continuous data for the same times do match precisely it is not possible to draw a line between the point readings (red line) to represent what actually happened (blue line) to heights at the site.

Database Data

There are three common types of database data available in PINNEENA:

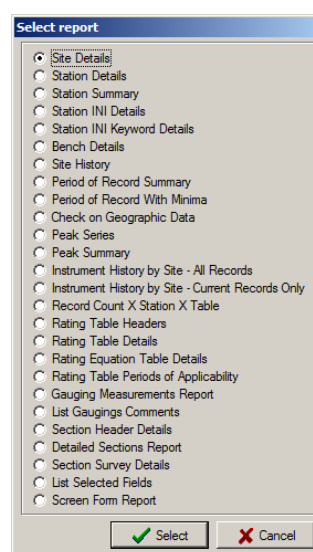
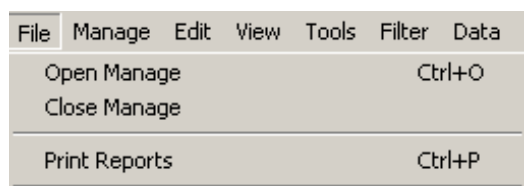
- hydrometric data recorded at irregular intervals
 - gauging measurements
 - the rating tables derived from the gaugings
 - catchment areas, etc
- descriptive data
 - site/site details

- instrumentation details
- cross sections and bench mark details, etc
- HYDSTRA system data
 - variable conversion details
 - quality codes, etc

This information is held in standard dBase format files, but with non dBase index files. PINNEENA provides a range of program options to browse or print the data.

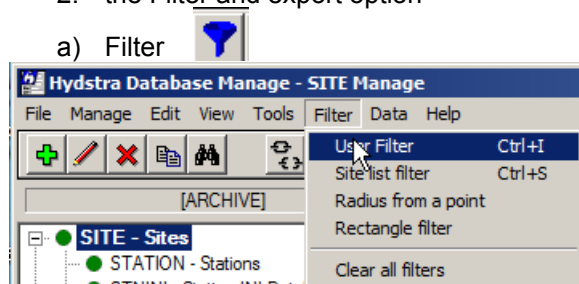
There are two common explained in detail in Section 9 are briefly outlined below:

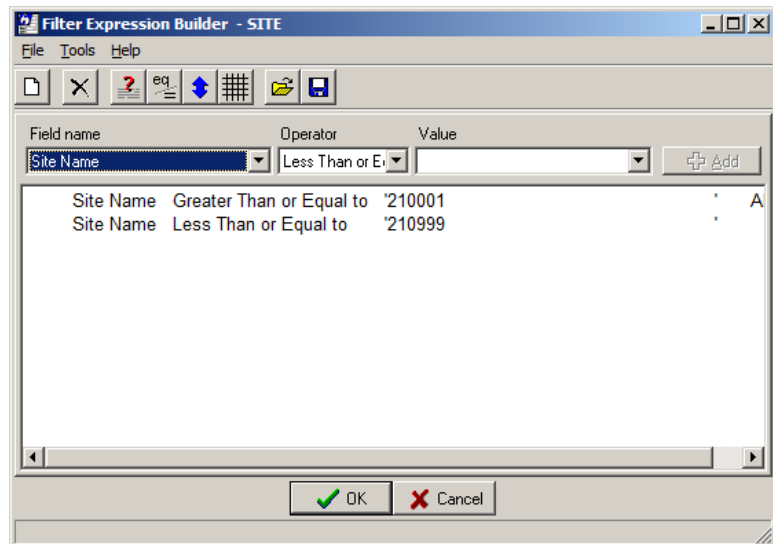
1. the Manage|Print option



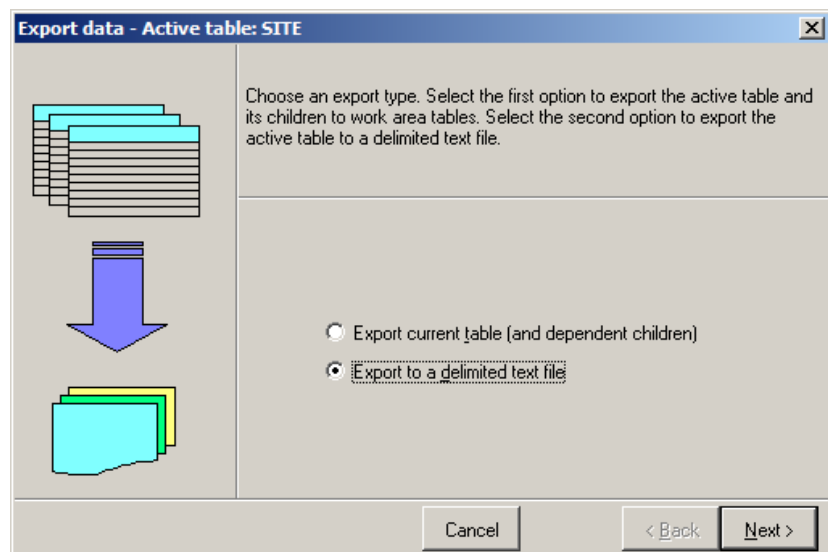
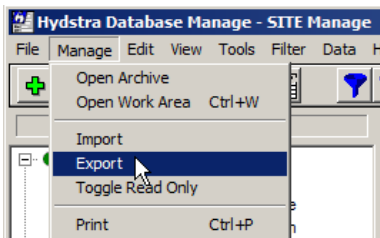
2. the Filter and export option

a) Filter



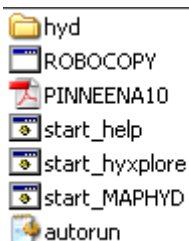


b) Export to CSV for analysis display in Excel or equivalent.



OPERATING PINNEENA

When you view your Disc drive you will find the following files as shown below :



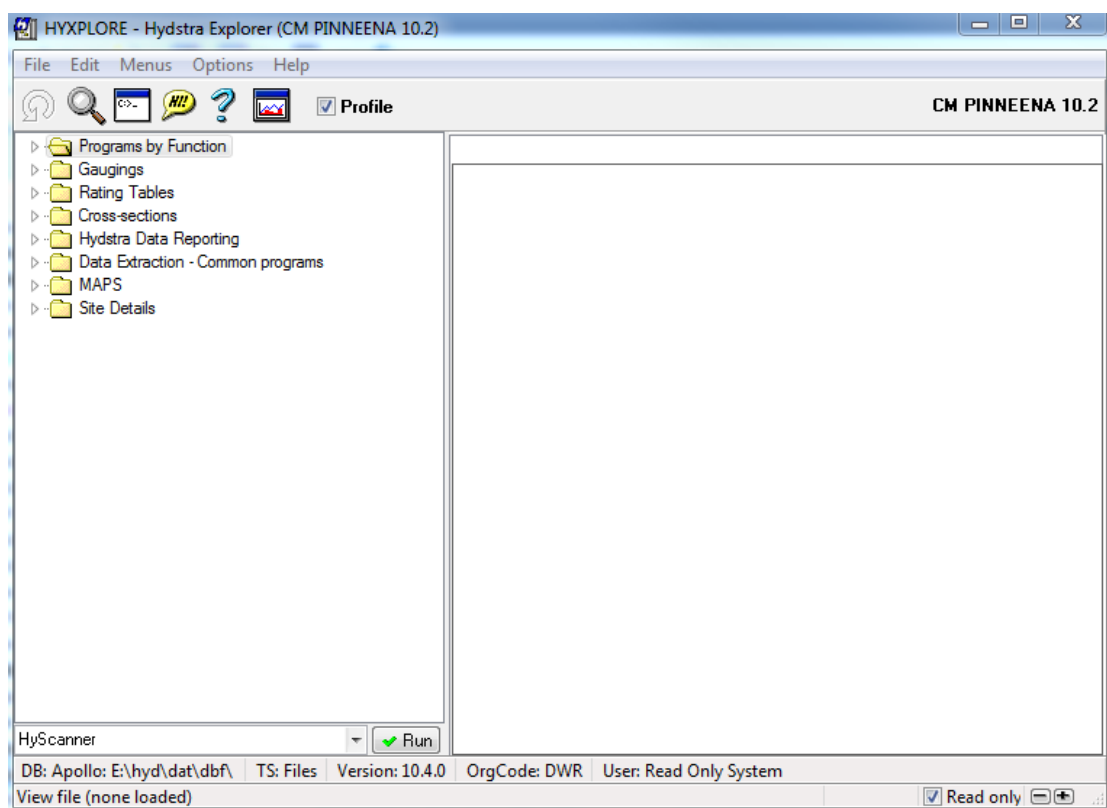
1. Hyd directory ignore this
2. ROBOCOPY ignore this
3. **PINNEENA Manual** this document in PDF format
4. **HYDSTRA Help File** online help for operating HYDSTRA programs
5. **PINNEENA Explorer,** a windows style menu system
6. **MAPHYD,** **a spatial, ie mapping, interface to the data**
7. autorun

A double click by the mouse on any of these options will start a different PINNEENA/HYDSTRA program or help file.

With the use of the 32bit Operating environment some dynamic libraries are loaded into memory at start-up. This may take a short time to load from the DVD but it will decrease the subsequent loading time for most programs.

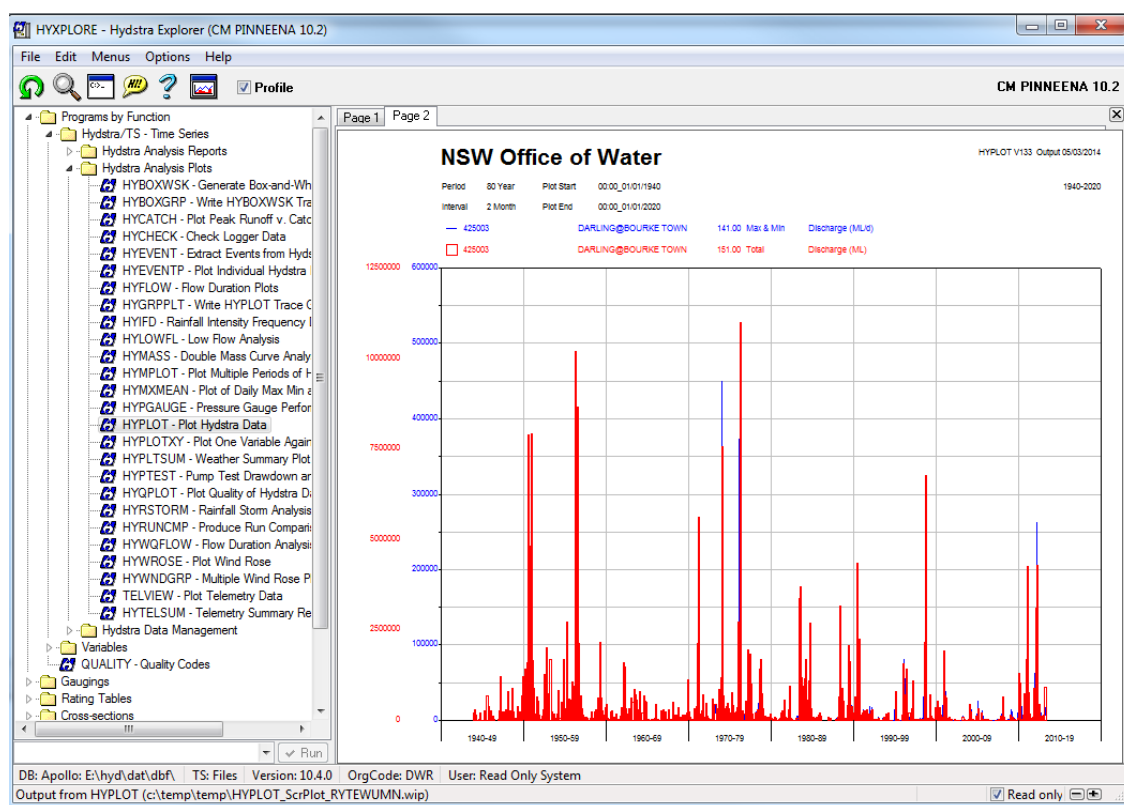
5.1 Using PINNEENA Explorer

When you click on the PINNEENA HYPLORE option in the start menu a new PINNEENA menu system will be started



PINNEENA HYXPLORE is simply a menu program for accessing the HYDSTRA programs and data files on the DVD. It uses the familiar tree paradigm which is used by Windows Explorer, but with some additional features which provide additional flexibility.

It uses a Windows Explorer style interface to find and run the HYDSTRA/PINNEENA programs and to display outputs. The menus options are controlled by an XML file and while they have been configured for the PINNEENA users it is possible for more advanced users to modify this file in their \TEMP directory to change the appearance of the menus and to add external programs, data files, Perl procedures, etc to the menus. (If you contemplate making any changes a copy of the original menus will always be available from the CD.)

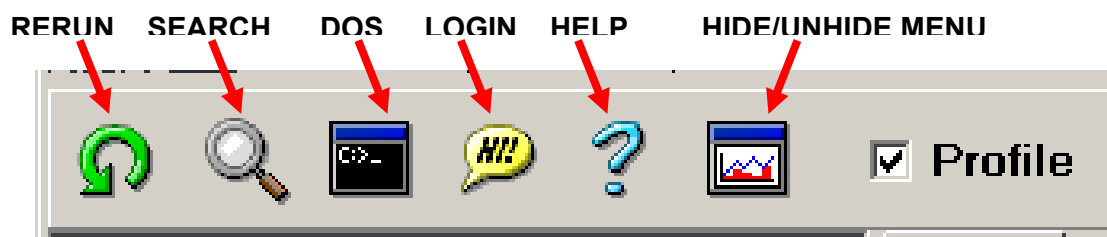


On the left hand side of HYXPLORE the programs can be accessed in the menu tree by clicking on an the folder icon and displaying the options beneath. The Folders are opened by clicking in the + box to the left of the description, or by double clicking on the description itself. Folders are closed by double clicking again, or by clicking on the - box to the left of the description. Folders are of various types, and the behaviour of the folder when opened depends on the folder type. Each folder option is displayed in the tree using a visual icon to indicate its type.

A menu item preceded by a plus sign (+) implies that this item has further sub-menus to follow.

At the lowest level are the programs themselves. Clicking on a program icon will start the program parameter screen (where you control the programs operation). Output from programs appears in the right hand side window of PINNEENA Explore.

A range of shortcuts are also available on the Explorer screen as shown below.



**Rerun
(Again)**

Runs the currently selected menu item, with the same parameters as used during the previous run. The Menu | Rerun menu option and the <F8> key does the same thing.



Search

Displays a dialogue box to search for a HYDSTRA menu item. You may search for any part of a menu item.



DOS

Creates a DOS box in which you can run commands. The File | DOS shell menu option and the <F9> key does it also.



Login

Lets you login and change user IDs, not required for PINNEENA.

**Help**

Starts up the HYDSTRA help file, at the topic of the currently highlighted program.

**Hide/
Unhide**

This hides/unhides the menus in the left hand pane to give your outputs greater viewing area.

There are also a range of shortcut keys which will assist you in operating HYDSTRA programs. They include:

[F1] is the help key as discussed above.

[F8] is the rerun key,

Allows you to re-run the last job. All the parameters from the last time you ran the program are restored and can be used again and/or edited.

[F9] is the Shell to DOS key,

at the DOS prompt - exit[ENTER] or closing the window will return you to the HYDSTRA menu.

[ALT] [F4] will exit you completely from the HYXPLORE.

[ESC] will take you from the parameter or menus screen to the next menu above

At the top line of the screen here is located a series of drop down menus, access to which may also be gained by pressing the [ALT] key and the underlined or highlighted character. These options also have shortcut keys so they can be accessed directly. Some of the more common options have been described above including [F1] for help.

OBTAINING HELP

Help for PINNEENA users is available in a number of ways.

1. This document is available as a Adobe Acrobat file for printing from the root directory of the DVD as PINNEENA Manual.PDF
2. There is an on-line help system for the HYDSTRA programs which is loaded as a separate Start menu item as part of the installation
3. There is on-line help available from within PINNEENA's HYDSTRA menu by pressing <F1>, and
4. There are a range of on-line help features available in each HYDSTRA parameter screen.

PINNEENA Help

The PINNEENA help (this document) is accessible in a number of ways:

- It is available as a Adobe Acrobat PDF file for viewing and printing in the root directory of the DVD.
- It is available as a help file in the root directory of the DVD.


To read this file you will need a copy of Acrobat reader. Any version will be bale to read the file but the latest version can be found at www.adobe.com or at a number of software and shareware related sites. The download is free.

HYDSTRA Help

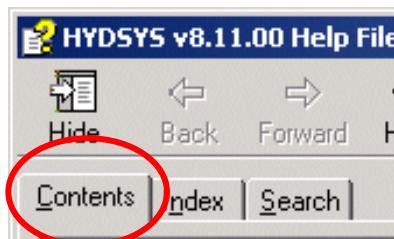
A windows help file is available to all PINNEENA users explaining how to use the various HYDSTRA programs.

This can be obtained before starting the program by selecting the Hydstra Help File option in the Windows Start menu the on-line HYDSTRA help manual will be made available.



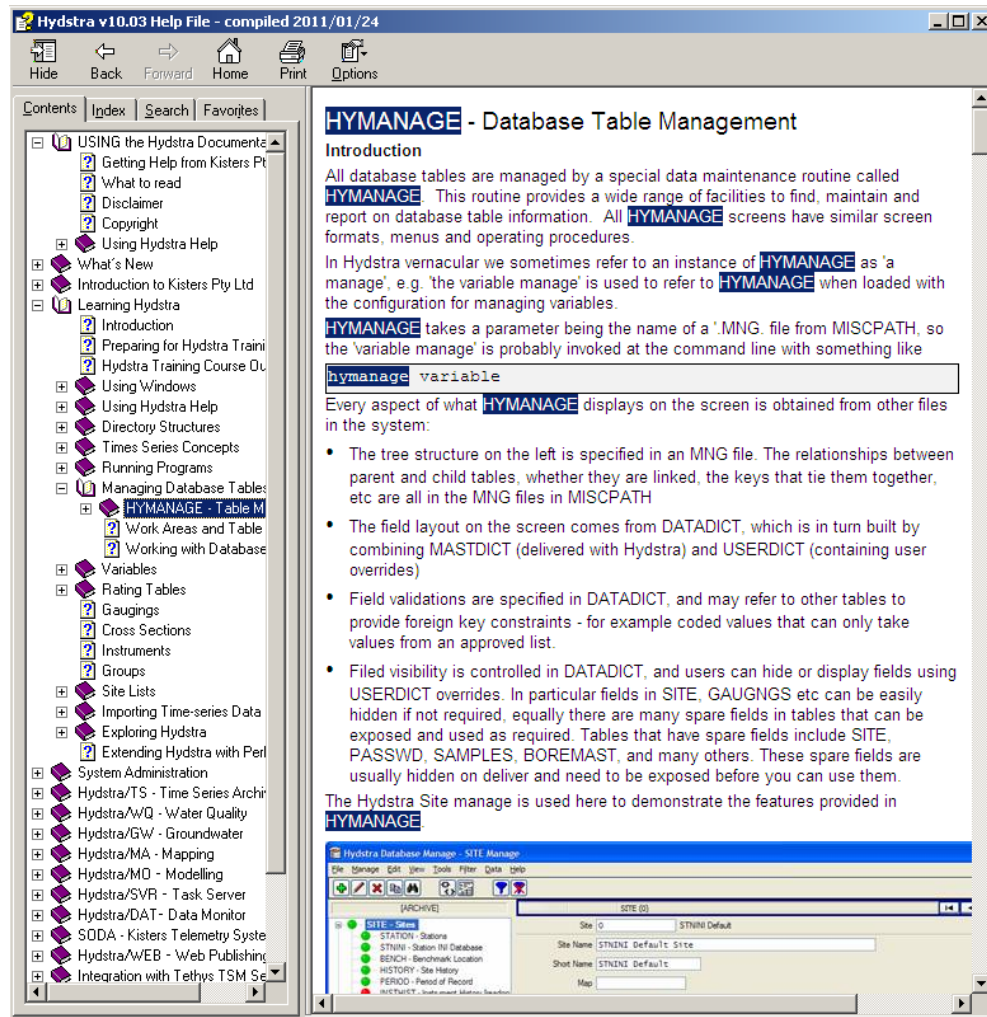
B Also, using the <F1> key or the blue question mark key  icon on the HYPLORE menu bar while a menu item is highlighted, or using the Help function from within a program screen will take you to the help screen for that program or option.

The on-line help system will open with the relevant section opened for viewing:

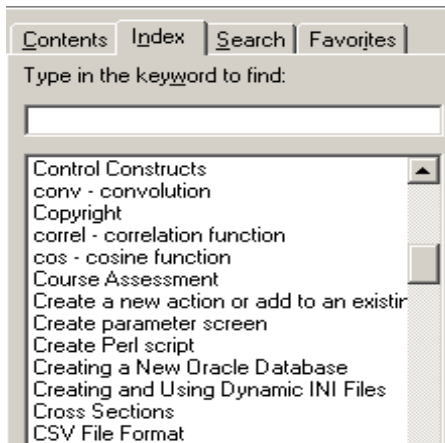
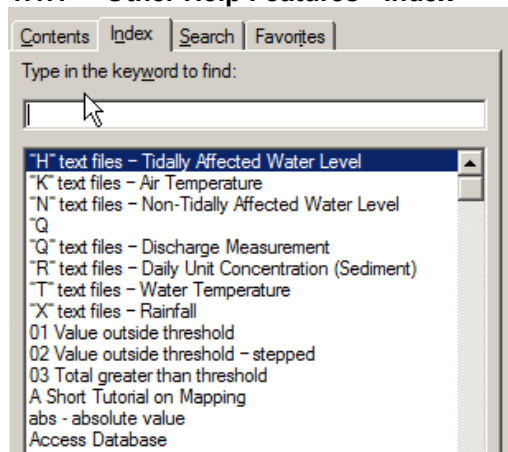


If not already at the desired location, clicking on the **Contents** tab will show the full list of chapter headings.

This list may be expanded by either double clicking a book icon or clicking on the '+' sign when a book icon has been selected. Clicking on any of the pages icons will display the information about the topic in the right-hand box.



1.1.1 Other Help Features - Index

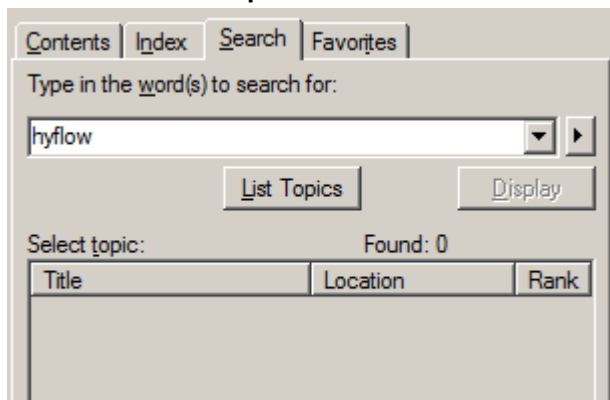


Selecting the

Index Tab will show a list of all Key words that have been indexed in the help file.

Clicking on a topic in the Left hand pane will take you to that key word/phrase in the help file.

1.1.2 Other Help Features - Search

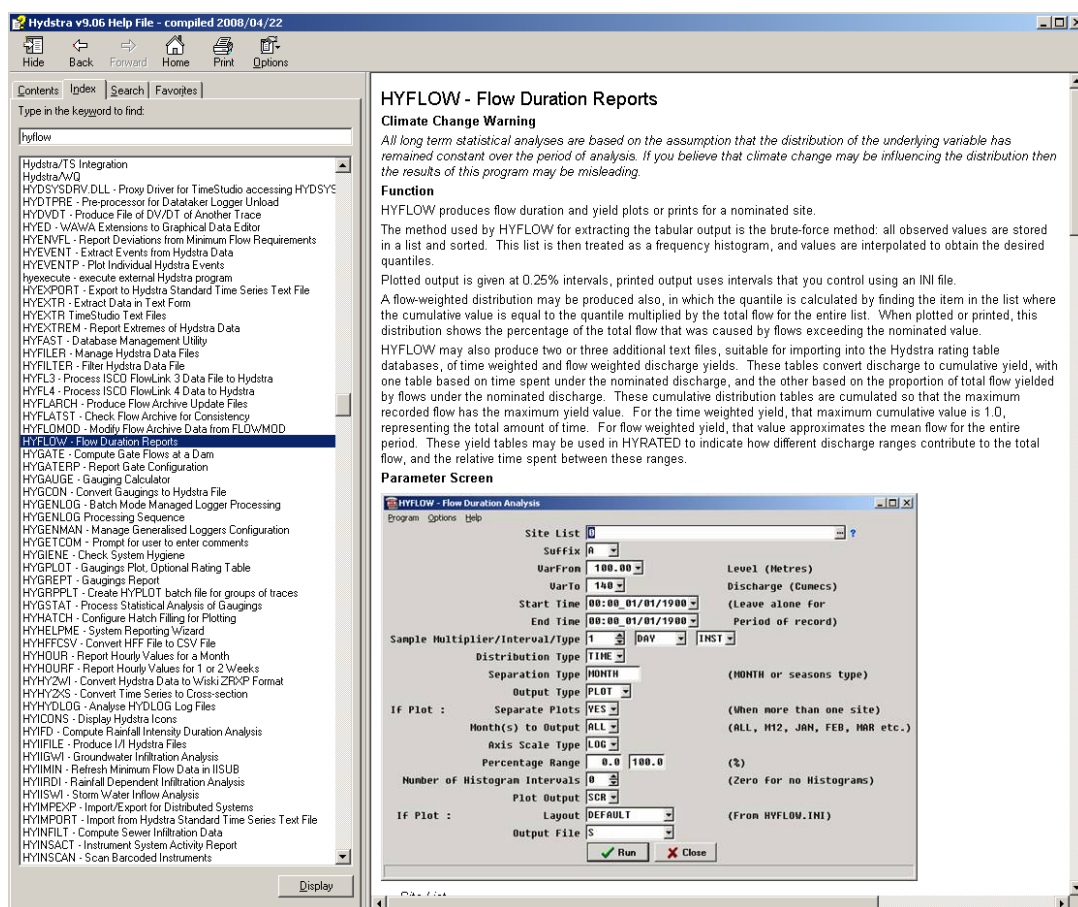


If you click on the Search tab, a window will appear in which you may enter the word(s) you are searching.

Clickin on the List Topics button will display the list of topics where that word(s) appear.

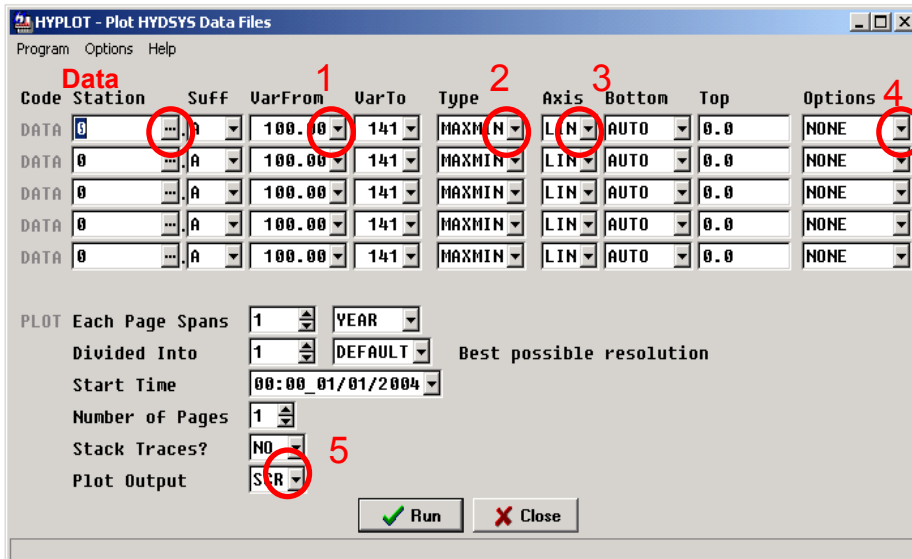
As well as typing in the words, the small right arrow next to the box lets you select a Boolean operator to interpose between words. Enter one or more words, with an operator if necessary, and you will be shown every

document in which the combination appears. For example, type the words **flow NEAR duration**:



Press <List Topics> to see the relevant documents, then select the desired entry. The document page is displayed with all its relevant information.

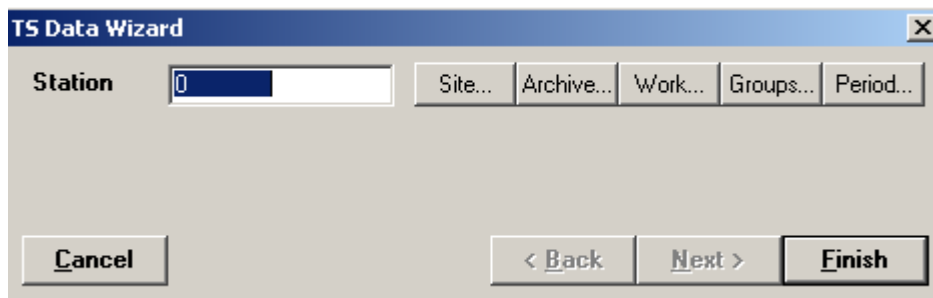
In Program Help



When a HYDRAHYDRA program has been selected and loaded, HYDRAHYDRA will provide extensive help facilities. This is available by pressing the Down arrow or ellipsis at the right hand side of each of the data entry boxes. This produces a series of dialog boxes that show available options.

Examples of these help options are shown below.

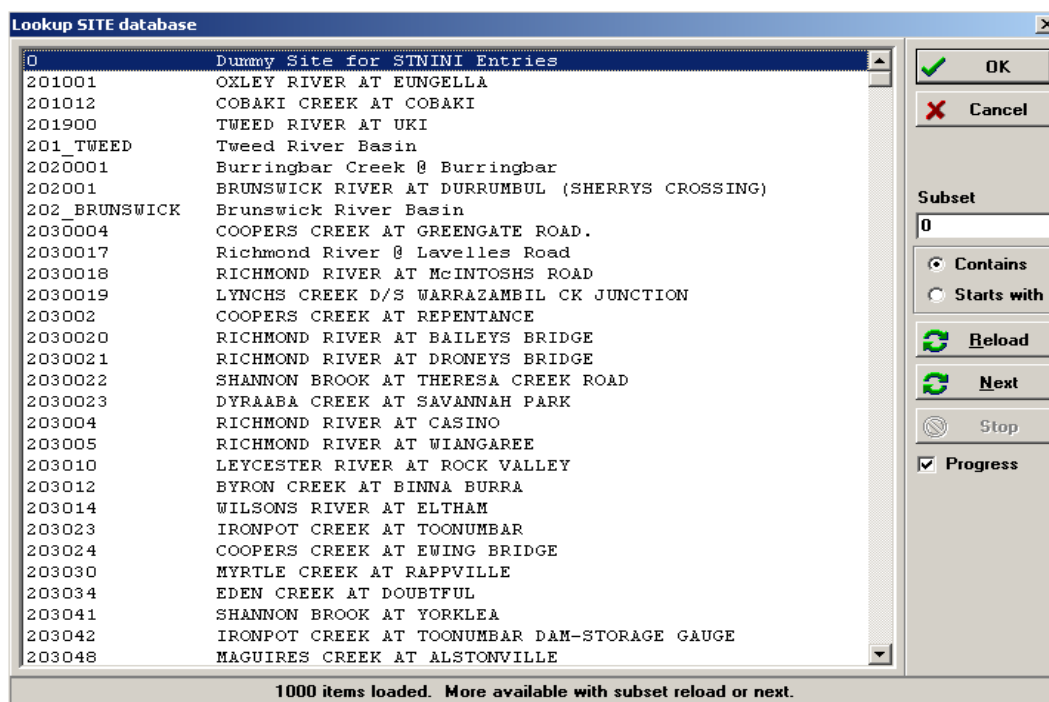
1.1.3 Data Wizard



The TS Data Wizard will load a screen that allows you to select a site from the SITE table, the time series archive or the PERIOD table. Work areas and groups are not active in Pinneena.

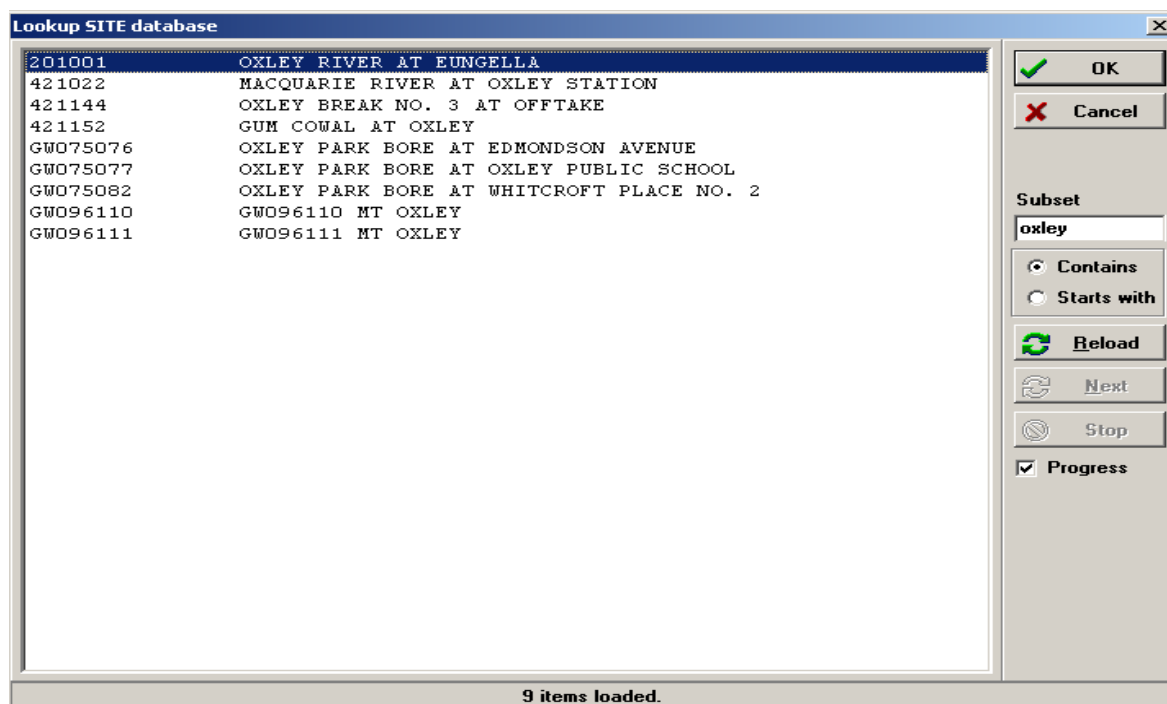
Selecting a Site from the Site Table

Clicking the **Site** button brings up a dialog box with all sites listed in numerical order. You can use the mouse and scroll bar or the <Page Up>, <Page Down> and arrow keys to move up and down this list to select a site



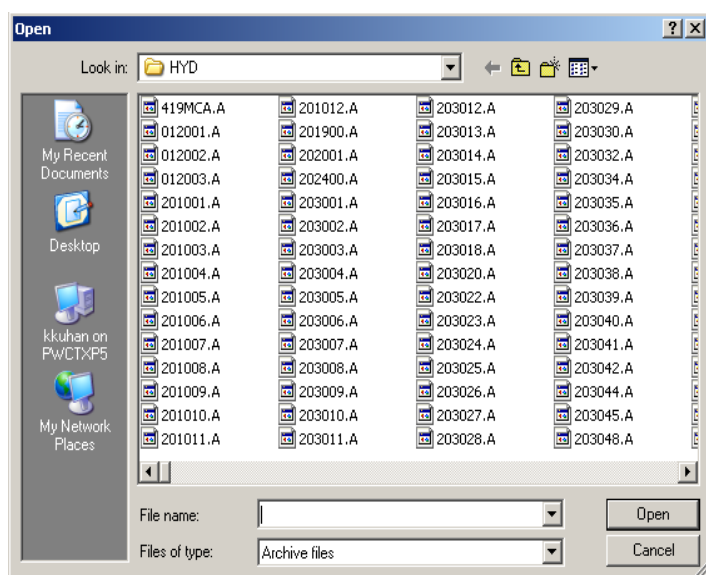
To search for a site or stream enter part or all of the site name in the **Subset** box then click the left mouse button on the **Any text** button and click on the **Reload** button. In the following example we have entered "OXLEY" as part of a site name

The program will then check the SITE database for occurrences of the word OXLEY and list the site details as they are found. You can halt this listing, when the site you seek is listed, by clicking on the **Stop** button.



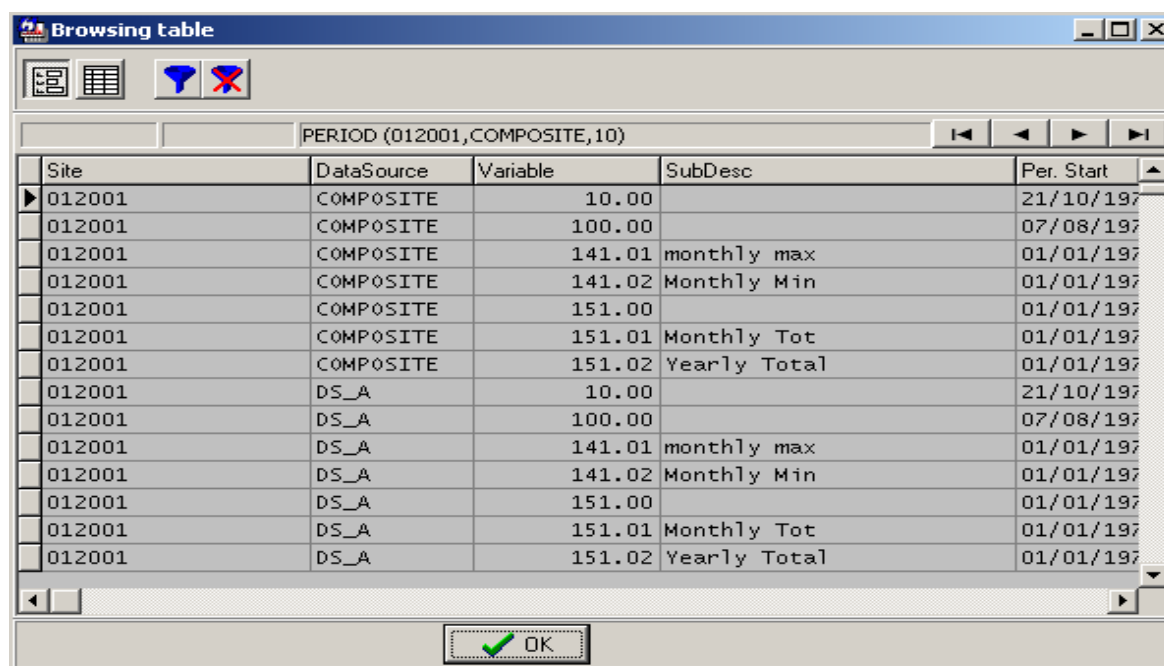
You can make your selection by moving the cursor to the required site and clicking on the **OK** button.

Selecting a Site from the Archive



The program provides a File List dialogue box in which you can scroll through a list of sites for which data is held in the archive. You may also enter the site identifier, ie the site number, in the **File Name** box. Note that entering the site name will not work. When selecting files, you must select the data file (eg 410001.A) rather than the index file (410001.AX).

Selecting a Site from the Period Table



The program will provide a view of the Period table which shows what data has been collected at each site, from which you may select a site, variable and period to view.

1.1.4 Filling in the Other Data

At each step the Wizard gathers the data necessary to fill out the parameter screen of the calling program. At any time all this information can be transferred across to the program's parameter screen for you by clicking on the **Finish** button.

To gather this data after you have selected your site you click on the **Next** button. The program will respond with the suffixes for any data files for that site (in PINNEENA there will only be one suffix A) - click on the **Next** button to move on.

TS Data Wizard

Station: 410001 M/BIDGEE R @ WAGGA

Suffix: A

Wizard...

Cancel < Back Next > Finish

The Wizard will then check the data file and list all of the variables for which data is held.

Select the required variable and click the **Next** button.

The program will then list (in a drop down list) all possible data conversions for the selected variable. The most common variable conversion is automatically selected for you but you can select any of the valid conversions from the list.

TS Data Wizard

Station: 410001 M/BIDGEE R @ WAGGA

Suffix: A

VarFrom: [100] Stream Water Level (Metres)

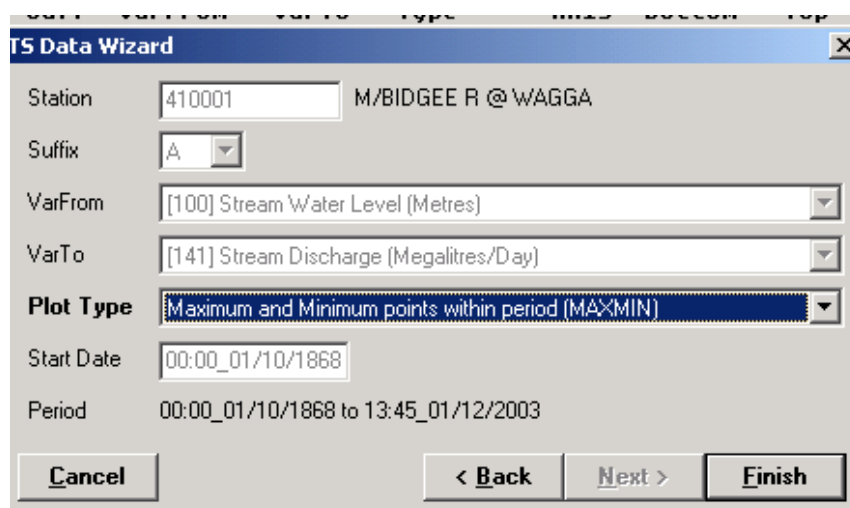
VarTo: [141] Stream Discharge (Megalitres/Day)

Start Date: 00:00_01/10/1868

Period: 00:00_01/10/1868 to 13:45_01/12/2003

Cancel < Back Next > Finish

Clicking the **Next** button will select the most appropriate plot type to display your data or allow you to select the plot type you desire. The period of record for the selected data will also be displayed.



TS Data Wizard

Station: 410001 M/BIDGE R @ WAGGA

Suffix: A

VarFrom: [100] Stream Water Level (Metres)

VarTo: [141] Stream Discharge (Megalitres/Day)

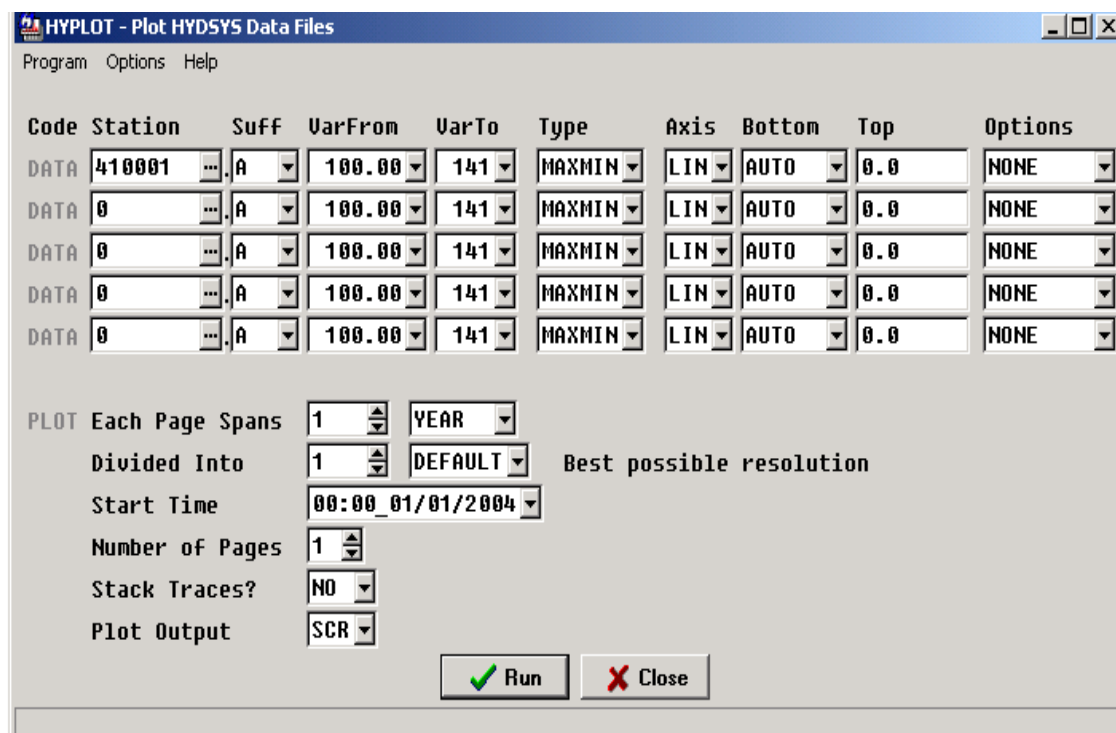
Plot Type: Maximum and Minimum points within period (MAXMIN)

Start Date: 00:00_01/10/1868

Period: 00:00_01/10/1868 to 13:45_01/12/2003

Buttons: Cancel, < Back, Next >, Finish

Clicking on the Finish button will return you to the calling program with the parameter screen completed



HYPLOT - Plot HYDSYS Data Files

Program Options Help

	Code	Station	Suff	VarFrom	VarTo	Type	Axis	Bottom	Top	Options
DATA	410001	...	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	...	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	...	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	...	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	...	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE

PLOT Each Page Spans: 1 YEAR

Divided Into: 1 DEFAULT Best possible resolution

Start Time: 00:00_01/01/2004

Number of Pages: 1

Stack Traces?: NO

Plot Output: SCR

Buttons: Run, Close

NOTE: There may still need to be some items to be filled in on the parameter screen related to how you want the data to be displayed.

For any field in a parameter screen that has a drop-down arrow next to it, you may select from a list of the allowable entries by clicking on the arrow.

MAP INTERFACE TO DATA

The MAPHYD program provides the easiest way to access to the data and reports on the DVD. All data can be accessed simply by using the mouse.

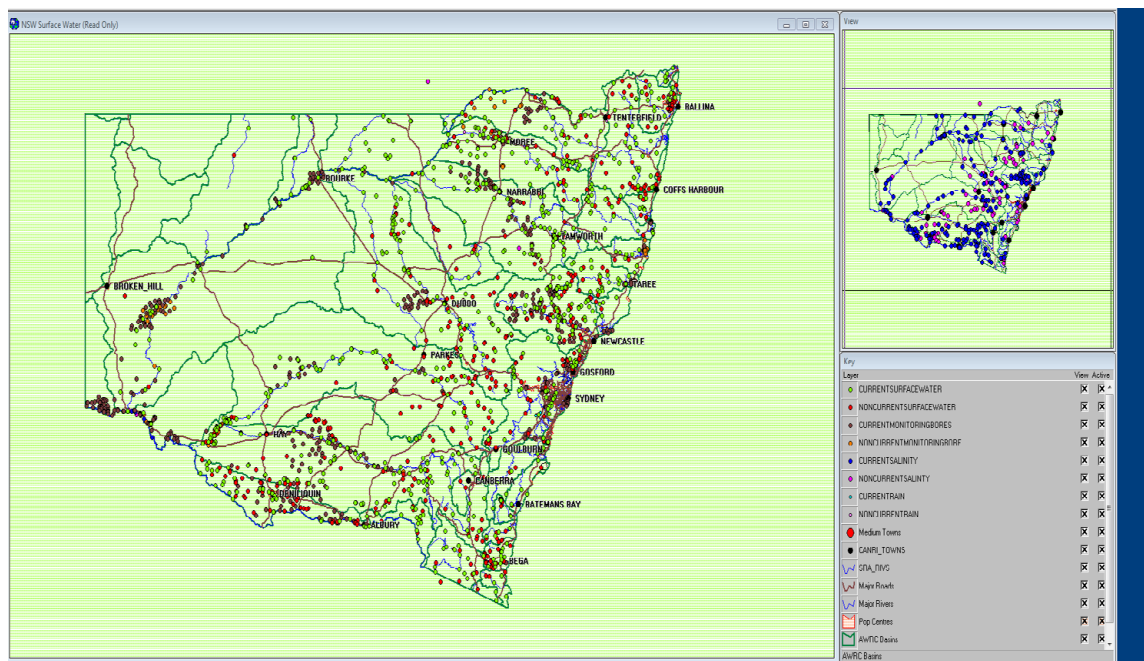
MAPHYD can be loaded from the PINNEENA Explorer, PINNEENA Menu or alternatively the user can choose to start MAPHYD from the Windows Start Menu entry,

The default map (NSW River Basins) is loaded automatically when the program is started from PINNEENA Explorer. Using the MAPHYD icon from the PINNEENA Start Menu starts the program without a map loaded. The maps then available on PINNEENA are:


1. NSW River Basins and Gauging Sites
2. NSW Local Government Areas and Gauging Sites
3. NSW Stressed River Catchments boundaries and Gauging Sites
4. NSW Catchment Management Authority boundaries and Gauging Sites

To change to or select another map use the **F**ile menu option, choosing **O**pen ... and then selecting the map of your choice. This map will load for the current session only. The default map cannot be changed.

On the maps the user can move around the state, panning or zooming into areas of interest.



Data Display from the Map Interface

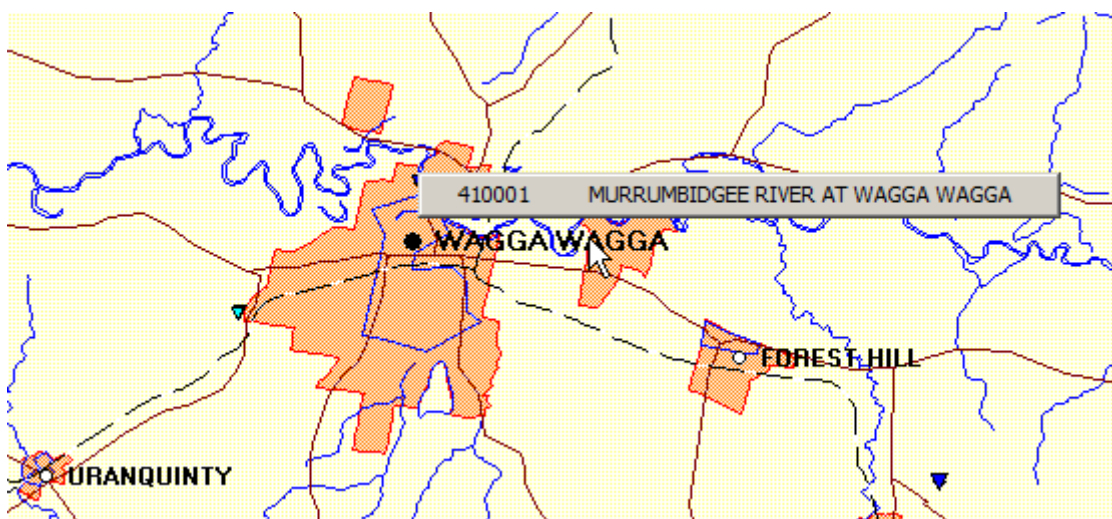
Zoom into the area of interest using either the Zoom Icon  and selecting an area in the NSW Base Map main window or selecting an area in the smaller View window.

(These actions are explained in more detail in the following section.)

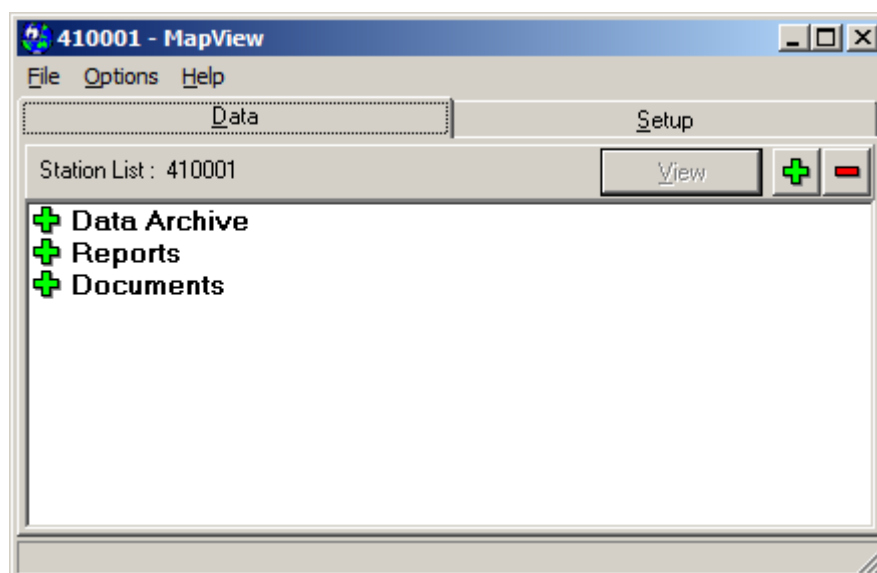
If a Site Layer is viewable and active (ie both tick boxes are selected in the Key Window),



and the right mouse button is clicked when on a site (blue triangle) then a pop-up site descriptor appears on the screen with the site number and name.



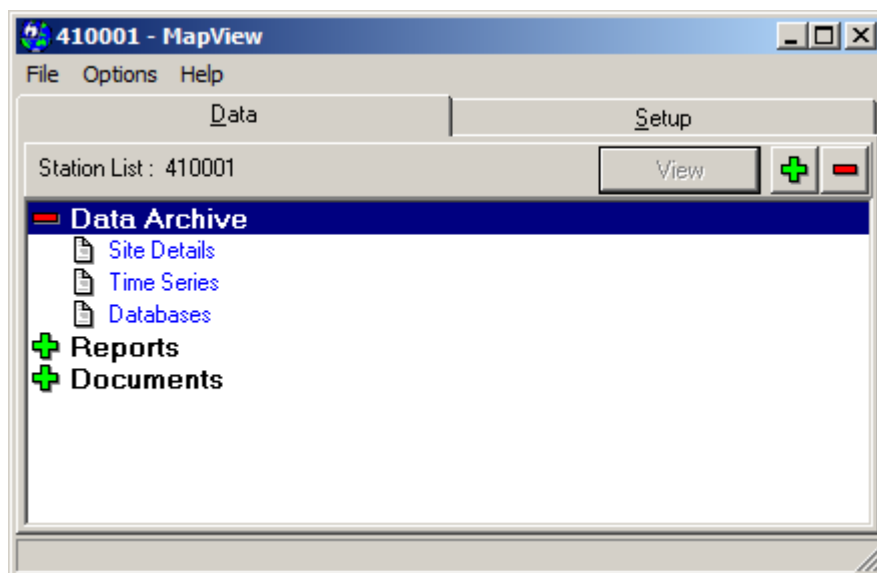
By right clicking on the this popup a program called MapView is started. This program, allows site-specific interactive of data from this site.



Data Archive

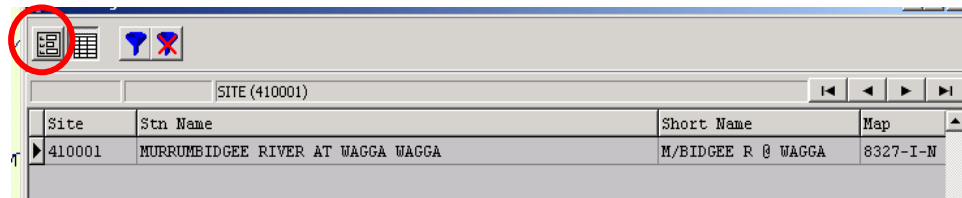
Data Archive will list the types of data available for the site.

A mouse click on the green **+ Data Archive** button or a double click on the menu items



Site Details

Double clicking on **Site Details** will display site details from the site database. The site details view may be changed from spreadsheet/table view to a form view using the **Form View** button

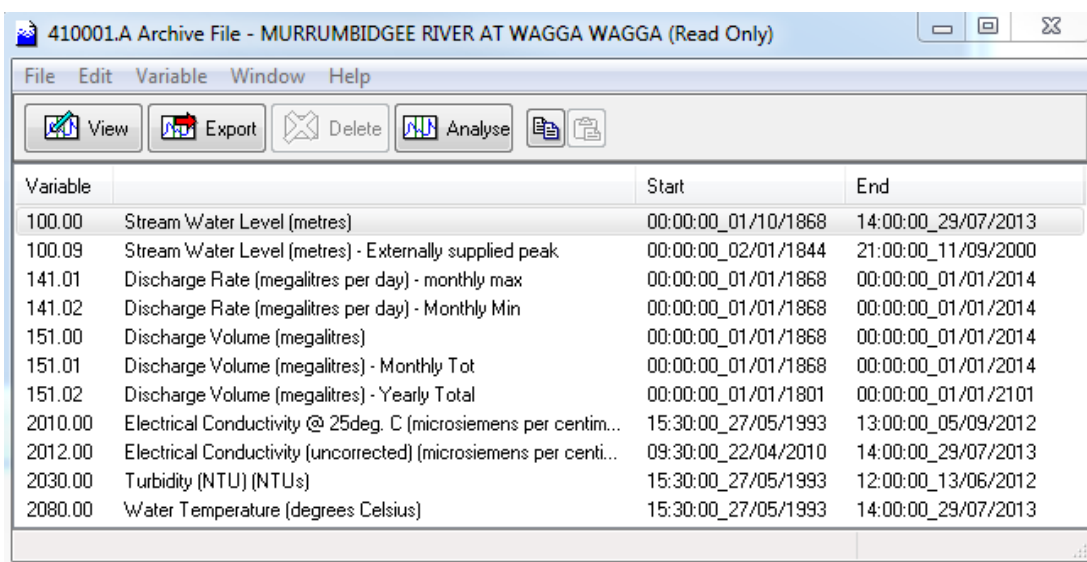


SITE (410001)			
Site	410001	M/BIDGEE R @ WAGGA	
Site Name	MURRUMBIDGEE RIVER AT WAGGA WAGGA		
Short Name	M/BIDGEE R @ WAGGA		
Map	8327-I-N		
Grid Ref: Zone	55	Easting	533487.9
		Northing	6115734.2
Grid Datum	MGA94 Map Grid of Australia 1994		
Latitude	-35.10060000	35:06:02.2 S	
Longitude	147.36740000	147:22:02.6 E	
Lat/Long Datum	GDA94	Geodetic Datum of Australia 1994	Position Accuracy 04 1:25000 Map
Elevation	169.800	Elev Accuracy 02	Surveyed Local Map Ref 55HEB334155

Time Series

Double clicking on **Time Series** will show a list of data stored by variable for the nominated site. This uses the program HYSCANNER. The program is also available from **the Data Management** option.

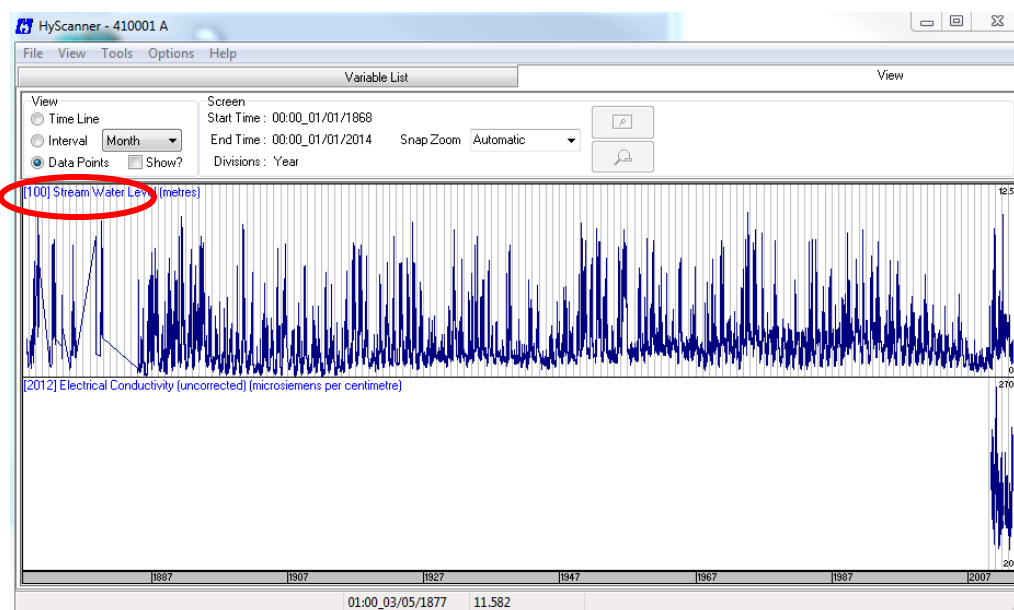
This parameter screen gives the user a list of the data available for the nominated site. One or more variables may be selected for viewing by holding the 'Control Key' down when clicking the appropriate data line with the mouse.



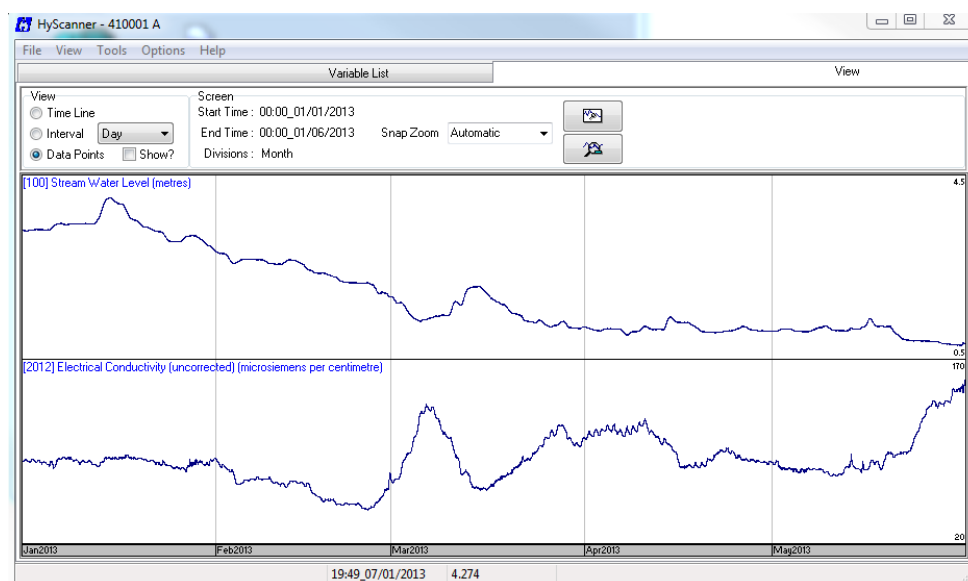
Variable	Start	End
100.00 Stream Water Level (metres)	00:00:00_01/10/1868	14:00:00_29/07/2013
100.09 Stream Water Level (metres) - Externally supplied peak	00:00:00_02/01/1844	21:00:00_11/09/2000
141.01 Discharge Rate (megalitres per day) - monthly max	00:00:00_01/01/1868	00:00:00_01/01/2014
141.02 Discharge Rate (megalitres per day) - Monthly Min	00:00:00_01/01/1868	00:00:00_01/01/2014
151.00 Discharge Volume (megalitres)	00:00:00_01/01/1868	00:00:00_01/01/2014
151.01 Discharge Volume (megalitres) - Monthly Tot	00:00:00_01/01/1868	00:00:00_01/01/2014
151.02 Discharge Volume (megalitres) - Yearly Total	00:00:00_01/01/1801	00:00:00_01/01/2101
2010.00 Electrical Conductivity @ 25deg. C (microsiemens per centim...	15:30:00_27/05/1993	13:00:00_05/09/2012
2012.00 Electrical Conductivity (uncorrected) (microsiemens per centi...	09:30:00_22/04/2010	14:00:00_29/07/2013
2030.00 Turbidity (NTU) (NTUs)	15:30:00_27/05/1993	12:00:00_13/06/2012
2080.00 Water Temperature (degrees Celsius)	15:30:00_27/05/1993	14:00:00_29/07/2013

The following screen shows the 'time line' of the data. The period of record shows the start and end of the data, but does not indicate whether the data is continuous or not. The time line will show if there are any gaps in the data.

By selecting **Data Points** or **Show**, the data itself can be displayed



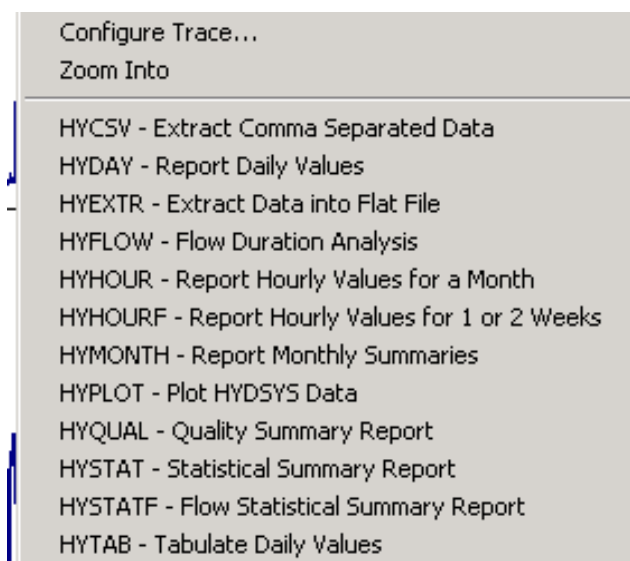
Selection of **Interval** will show the data at the default interval. The display interval can be changed by clicking on the small down arrow to the right of the interval



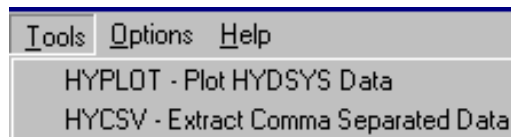
The user may also zoom into the period of interest by moving the cursor to the start, pressing left mouse button, pulling along the horizontal line up to the end point and then releasing it.

Outputting Data from MapView

A right mouse click on the trace will display a list of HYDSTRA programs that are available for use for that individual trace.



If you select one of these, HYDSTRA will automatically complete the parameter screen for you using the start and end points of the window for the period.



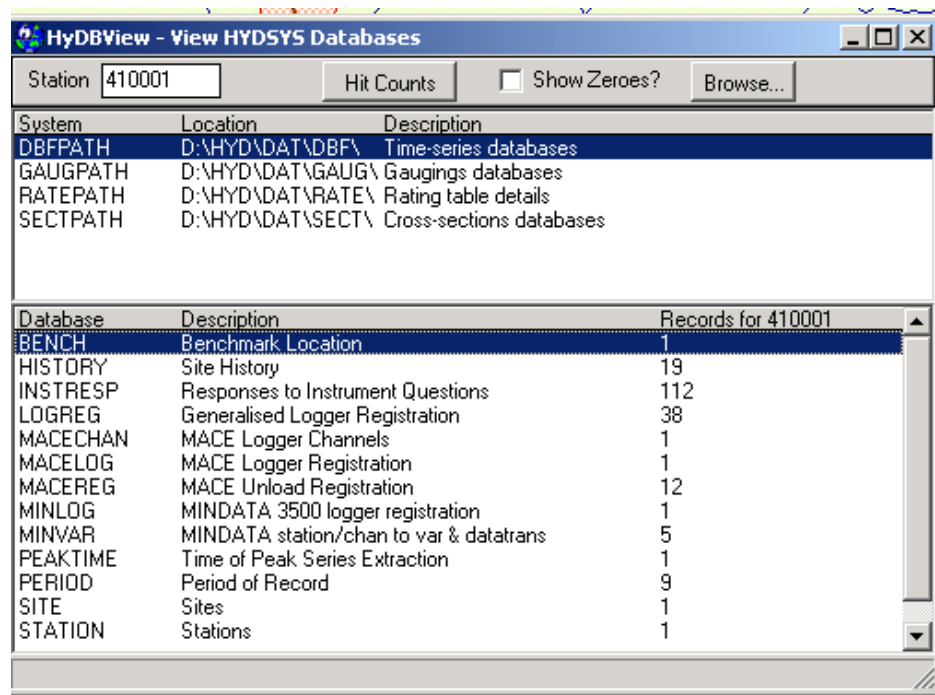
You can also use the Tools menu to select one of two programs that will operate on all traces you have selected. For example in the previous page we were displaying stream height and electrical conductivity. Using the HYPLOT option from the Tools menu we

would get the parameter screen for a plot with these two traces.

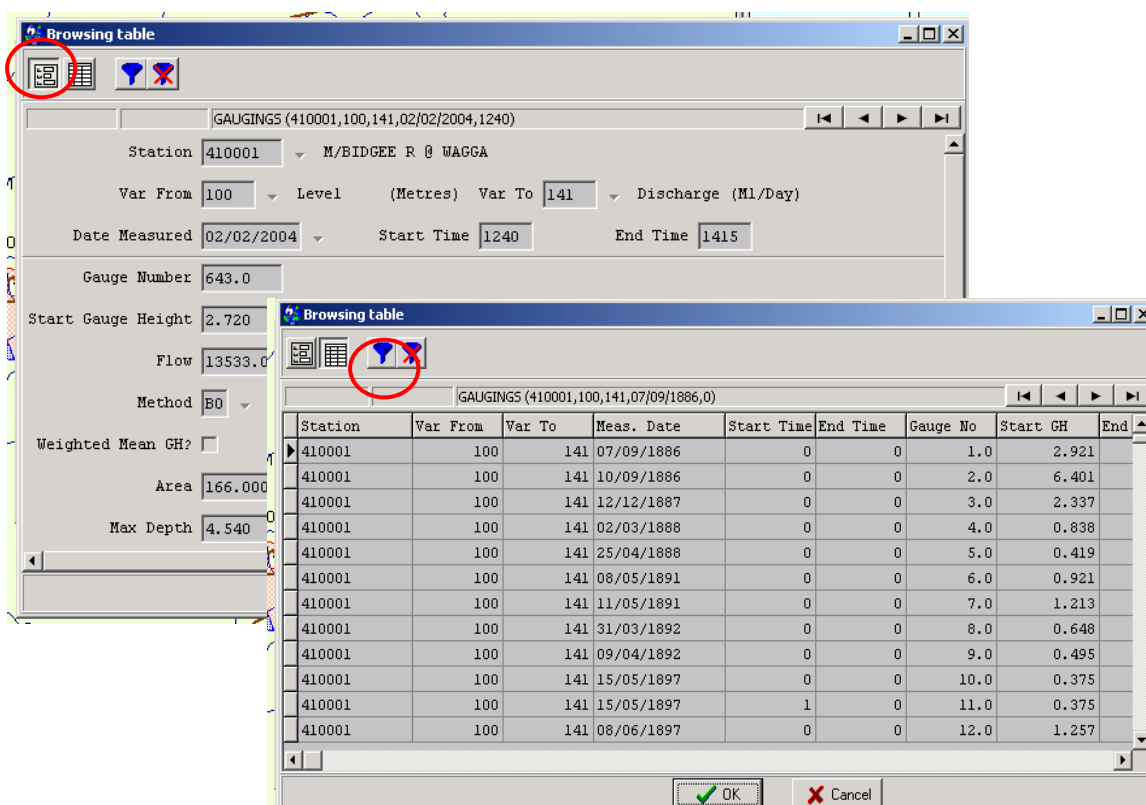
Databases

Returning to the Mapview interface, double clicking on **Database** will display the HyDBView screen. Here you can select the database you wish to view. First choose a path under **System** and then click **Hit Counts**. HYDSTRA will check all databases in that system and display those with data for the nominated site

By double clicking with the mouse or clicking the **Browse** button, select the database you wish to view. Then using the mouse and the four arrow buttons, you can browse your way through the database



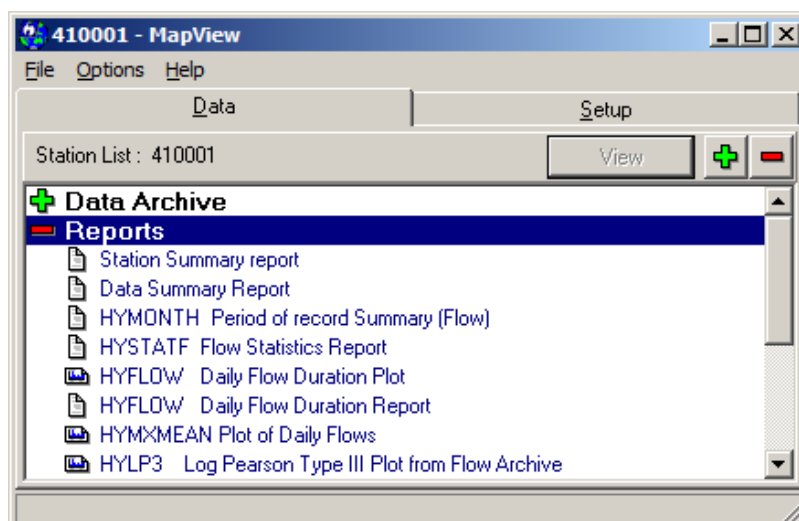
The two left-hand buttons will toggle from a form view showing one record per screen to a table view listing the records in tabular form as shown on the next page.



When you have finished, click the **OK** or **Cancel** button to return to the database selection screen.

Reports

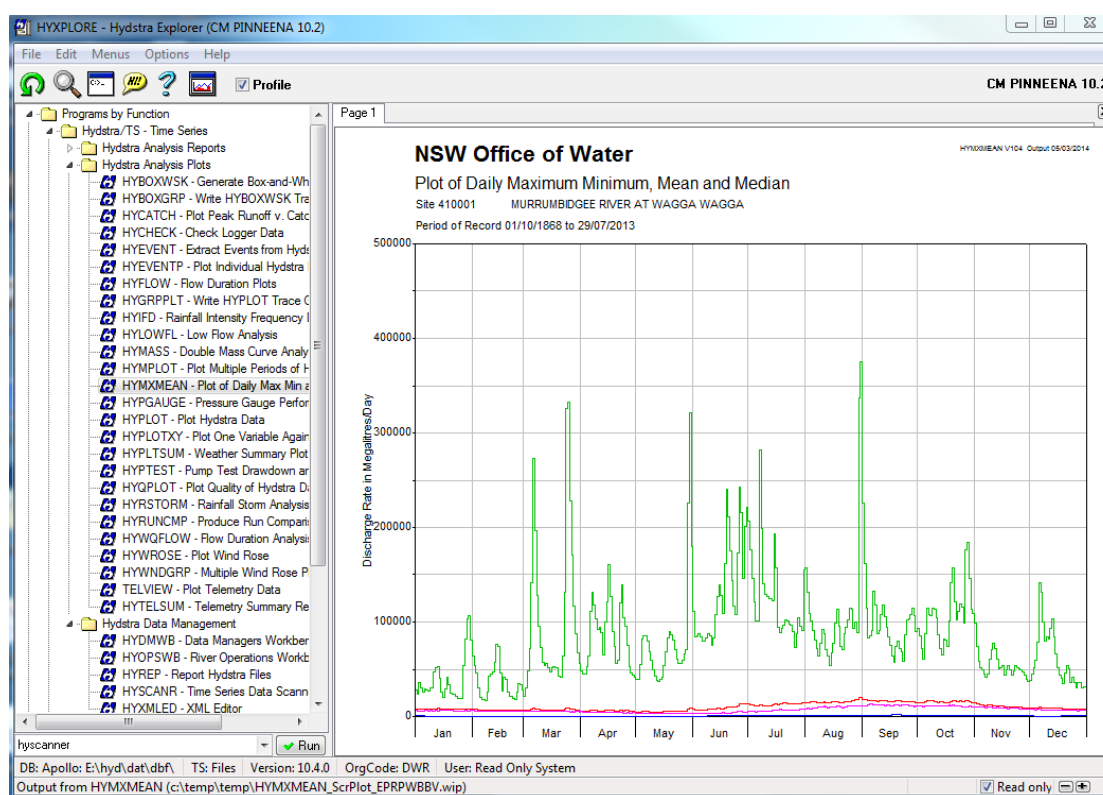
Returning to MapView, under the 'Data' tab you will find a menu option for 'Reports'.



This menu provides access to a range of pre-computed reports which can be viewed by clicking on the report title. The report will be displayed to the screen with the standard HYDSTRA screen options, ie to modify, to print the report or send to the clipboard.

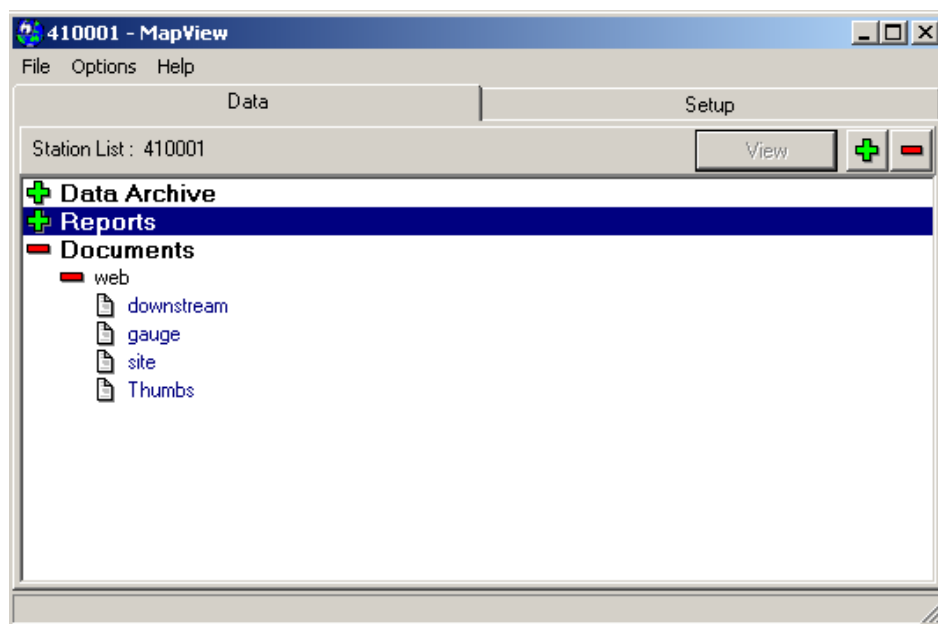
All these reports have been generated using HYDSTRA programs and stored on the DVD to save you having to run the programs yourself. They are a quick way to see what data is available at a site before examining the data in more detail.

Clicking on a report (eg the HYMXMEAN plot) will open that report in the HYPLORE window.



Documents

It is also possible to view a range of documents (typically photos) associated with the site (if they exist) by opening the documents section.



Mapping Interface Components

The HYDSTRA help system contains a comprehensive explanation of the components of MAPHYD. The following is a quick review of the more useful features.

Menu Bar

File Map View Mode Selection Find Contours Gauges Options Help

At the top of the screen is the menu bar, which provides access to all the functions of the mapping package.

Shortcut Buttons



The shortcut buttons allow quick access to various menu actions. The buttons are explained in more detail in the following sections.

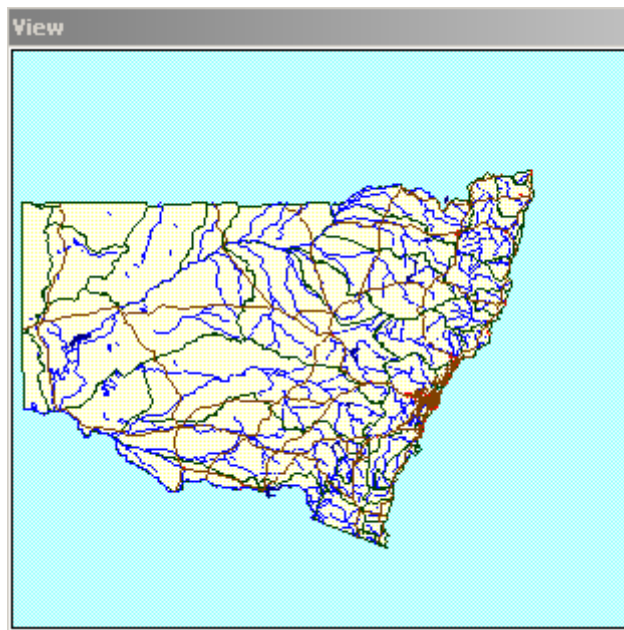
Map Window

The large window on the left is the map window. It will display the map name in the top left hand corner.

This is the active map viewing area where all connections to the data are made.



View Window

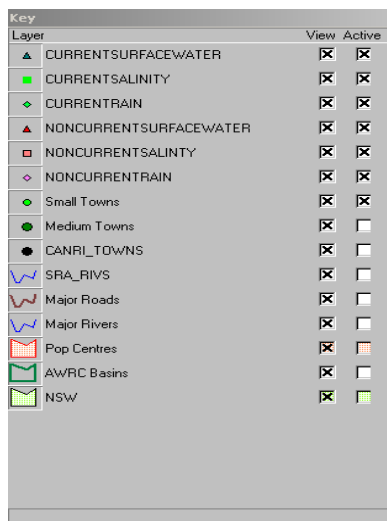


The small window on the right is the View Window. It will always show the whole area of the map

A rectangle indicating the current zoom position in the Map Window will appear when you have zoomed in on the main window to indicate your position.

The mouse cursor is always in Zoom mode in this window. The View Window may be used to move quickly around the map.

Key Box



The **Key Box** displays a symbol and some descriptive text for each map layer.

Alongside these are check boxes for each layer. These are a shortcut to the layer's **View** and **Active** attributes.

A right mouse button click on the key text presents a pop-up menu that allows changes to be made to a layer's display options. This will be discussed in more detail later.

Pan and Zoom

Movement Buttons



The first 2 buttons with the magnifying glass icons are the **zoom** buttons. Pressing one of these will move the viewer in the given direction. The current zoom step is 25%, which will move the map by 25% of its width in the main Map Window.

The **hand** button will allow the user to grab the map and move it in any direction..



Zoom Right Out - Returns the main map window to the original zoom that the map opened in. Ctrl-O is a shortcut.



Last View - Returns the main map window to its previous zoom.

Alt-BackSpace is a shortcut.



Layer Control - A shortcut to the map's Layer Control dialog box. Ctrl-L is a shortcut.

Mouse Functions

Mode Box



The Mode Box contains a group of ten buttons that select the type of action a mouse click will perform in the Map Window. The modes in order from left to right are:

Zoom Click in the Map Window. Drag the mouse until the rectangle contains the parts of the map you want to see. Release the button, and the Map Window is zoomed in on the required portion. To zoom in to a region, make sure that the region's layer is active (in the **Key** box) and simply click on that region (no dragging). The same applies to line objects.

Move Hand Explained above

Point Select Selects point objects, e.g. sites. Refer to the section on **Selection Mode** in the **Selection** menu details.

Radius Select selects points in a circle.

Region Select selects points inside a region.

Line Select selects points within a given distance of a line.

Freehand Region Select allows a region to be drawn on the map and points inside this region will be selected.

Label The "top" object is labelled, i.e. the object in the uppermost layer under the mouse click.

Info The "top" object is found and its layer and label are displayed in a dialog box.

Move Point would allow point objects to be moved on a non DVD system

Status Line Controls



At the bottom of the map there are several controls:

Hints If this box is checked then all buttons, edit boxes and other components will display little pop-up hints when the mouse cursor moves over them. This is very helpful when you are learning to use the program.

Drawing If ticked, the map drawing is displayed as it goes (i.e. builds the picture on the screen) un-ticked it will build the picture off-screen and just present the finished map.

Zoom Indicator In the lower left corner is the zoom indicator. It shows the approximate distance (in kilometres) between the left and right edges of the map in the map window.

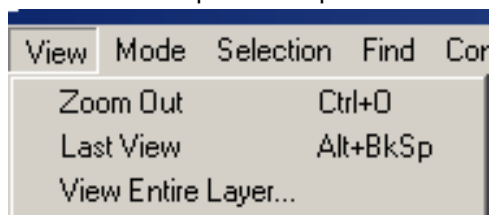
Position Indicator Whenever the cursor is in the map window, its approximate position is displayed in the middle of the bottom line.

Mode Indicator The current mode of the mouse's left button is displayed at the bottom of the screen.

Selection Indicator Next to the mode indicator is another window which displays the number of currently selected points.

View Menu

The view Menu provides options for moving about the main window.



Zoom Out This command zooms out to the extents of the View Window. <Ctrl/O> is a shortcut.

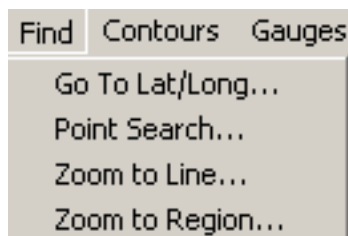
Last View Returns the main map window to its previous zoom state. Alt-BackSpace is a shortcut.

View Entire Layer This option presents a list of layers. Select the layer you wish to zoom to and the main map window will zoom in or out to contain all of the desired layer.

NOTE : this has no effect on that layer's maximum zoom - so you may find that the map zooms out beyond the layer's maximum zoom.

Find Menu

The find menu has several options to assist in locating features on the map.



Go to Lat/Long... Allows movement to a known location and predetermined zoom distance. The initial Lat/Long will be the centre of the current map window. The latitude and longitude are displayed in a dialog for manual refinement. The dialog has two "pages" - one for decimal latitude and longitude, and a page for the full degrees / minutes / seconds / hemisphere representation. Either page may be used with equivalent results. When the **OK** button is clicked, the main map window will be zoomed to centre on the requested location, and have the requested zoom distance across the map.

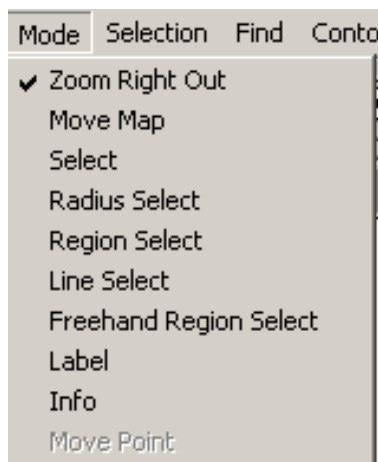
Point Search... Finds a point object by specifying a portion of text. The text could be the whole or part of a gauging site name or number. Each object's label is scanned for this text. The search is case insensitive. If multiple objects are found, a list is presented. Note that this list also includes the layer name of the object.

Zoom to Line... Presents a list of line objects in all layers. Double click on the line's identifier and the main map window will zoom in to contain the selected line.

Zoom to Region... Presents a list of region objects in all layers. Double click on the region's identifier and the main map window will zoom in to contain the selected region.

Mode

The **Mode** menu indicates the selection method to be used during the selection.

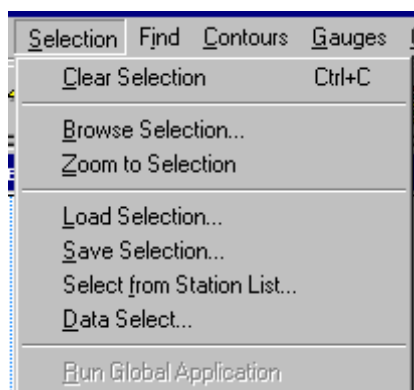


Layers may be temporarily selected or de-selected for any session, just toggle the appropriate **selected** box with a mouse click

Any selection operation adds to the current selection. To restart the selection, choose **Selection|Clear Selection** first. If the **Shift** key is held during one of the mouse-based selection operations (**Select**, **Radius Select** or **Region Select**) then the selected status of all the newly selected points will be reversed.

Selection

These dropdown menus are used to select individual and groups of sites. Selections can only be made on those layers marked **Active** in the **Key** box eg. current and discontinued sites.



Clear Selection Clears the current selection. All selected point objects are de-selected. **Ctrl-C** is a shortcut.

Browse Selection... Displays a list of all currently selected point objects.

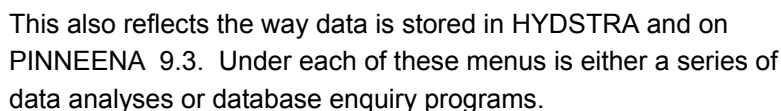
Zoom to Selection Zooms the main map window to display the entire selection.

Load Selection... Loads a list file, e.g. one created by **Save Selection...**, and selects the objects that have an identifier contained in the list. The full path and file name needs to be specified, including the file extension. If the extension is .DBF, the file is assumed to be a dBASE file. Otherwise the file will be read as an ASCII text file with the one identifier per line, and the site identifier as the first "word" on that line. An active layer is required. Click on this text box to display a list of selectable layers. The layer name displayed here will be the target of the selection. In the case of a database file, a list of fields is presented. Double click on the name of the field that will contain the object identifiers.

Save Selection... Saves the current selection as a list of the selected objects' identifiers. A dialog box prompts for the name and type of file to produce. Use the **File Type** pick list to choose the type of file to save. If the file type is a database, then a dBASE database file is produced. It has one 8-character field called SITE. Otherwise, the list will be written to an ASCII text file.

Select from Site List... A list of site can be supplied. Each site in the list is searched for in the active site layers.

If, instead of selecting **Mapping**, you select the **HYDSTRA Time Series Programs** option you are presented with another range of menu options as shown above.



All the HYDSTRA continuous data analyses programs under the menus have similar parameter screen formats. These parameter screens are displayed when a program is selected.

To see what each program can do for you, select the program name in the menu and hit<F1> or select the Help Icon or Help menu item.

This will open automatically on the related help details for that program. The help includes sample outputs as well as explanation of what the program does and how it works.

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Code	Site	Data Source	VarFrom	VarTo	Type	Axis	Bottom	Top	Options
DATA	201001	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA	0	A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE

PLOT
 Each Page Spans: 1 YEAR
 Divided Into: 1 DEFAULT Best possible resolution
 Start Time: 00:00_01/01/2014
 Number of Pages: 1
 Plot Options: DEFAULT
 Plot Output: SCR

There are some fields on this parameter screen that will be unfamiliar to those users who have not seen HYDSTRAPLOT before. Whilst all these fields may not be on all parameter screens, it does give an overview of those fields most commonly found in the HYDSTRAPLOT parameter screens.

- **Site**

- this is the unique number which identifies the site, from which the data is required. The F2 lookup key or clicking with the mouse on the down arrow in the box will allow the user to find the site ID from a gauging site name using the Data Wizard.

- **Suffix**

This is an identifier used to distinguish between different data sources within HYDSTRAPLOT on the DVD. The only Data Sources are:

- archive data, for which you use the default - **A**
- data from the Gaugings database. HYDSTRAPLOT will allow you to use two character suffixes to extract gaugings directly: ie, **GH** allows gauging height to be plotted and **GF** allows streamflow at time of gauging to be plotted.

- **VarFrom and VarTo**

- At a gauging site many types of data may be collected and stored, for example stream height, rainfall, streamflow, etc. As explained in the **Data** section, this data is differentiated by the variable number. For example:

stream height in metres - variable number = 100

rainfall in millimetres - variable number = 10

Not only is the type of data differentiated but the units it is stored in are also differentiated by the variable number. For Example:

stream height in decimal feet - variable number = 101

rainfall in points - variable number = 9

- this differentiation also allows for the conversion of data between these variables. For example:

VarFrom = 100 VarTo = 100

This says that no conversion is required, just use the stream height data in metres. While:

VarFrom = 100 VarTo = 141

This says convert from the original data, stream height data in metres (100), to a new data type, stream flow in megalitres per day (141), and display this new data. (This conversion is achieved by using a rating/lookup table.)

- commonly used variable numbers and conversion are outlined in the **Data** section.

- Plot type**

MEAN	Mean
TOT	Total - histograms
CUM	Cumulative trace
INST	Instantaneous value
MAX	Maximum
MIN	Minimum
POINT	Point data, as stored
LINEP	Point data as stored, joined with lines
LINE	Line data, as stored
COMB	Vertical lines from base to value
COMBP	Vertical lines from base to value point
CUSUM	Cumulative sum of deviations from mean
MAXMIN	Maximum and Minimum points within period

Because of the large amount of data stored it is neither possible nor desirable to plot every data point on a typical trace. **Plot type** gives the user control over how the data is displayed. However, it does rely on the user understanding how the data is handled by HYDSTRA. A maximum of 35136 intervals may be plotted on a trace with a maximum of 2 points per interval.

- For data that is stored as, or converted to, volumes (e.g. mean daily flow in megalitres) the following options will produce different results.
 - CUM - this cumulatively adds the volumes together to provide a sloping mass curve
 - TOT - this produces a histogram plot of the total amount during each timestep (or interval) is a better term –Using period is confusing here (and below) as HYDSYS uses the term period to define period of record. TOT during the period says to me one value for the whole record.
- For data that is stored or computed as continuous data (e.g. stream height in metres, stream flow in megalitres per day) the following plotting options can be used:
 - MEAN - plots the mean value during the period as a histogram.
 - MIN - plots the minimum value during the period as a histogram
 - MAX - plots the maximum value during the period as a histogram
 - MAXMIN - plots two points in the period, the maximum and the minimum, at the time they occurred in the period.
 - INST - plots the instantaneous value during the period at the time it occurred.
- For discrete data stored as points, e.g. gaugings or water quality sample data
 - POINT - plots discrete points
 - LINEP - produces straight lines between the point values plotted

- COMB and COMBP produce lines between the baseline and the value.
- **Axis, Base, Scale, Period to be Plotted and Period Multiplier**
 - these options allow the user to specify the axes of the plot.
 - in AXIS there are two different axes types that can be specified
 - LIN - normal linear scale
 - LOG - log-log scale
 - and with BASE and SCALE the Y axis is defined.

AUTO	Autoscaling on each trace
AUTOP	Autoscaling on each trace, same on all plots
SAME	Same as previous, autoscale all data if first
SAMEP	Same scale for all pages
HALF	Autoscale to use <= half of plot area
HALFP	Autoscale to use <= half of plot area, all plots
-AUTO	Reverse autoscaling on each trace
-AUTOP	Reverse autoscaling on each trace, all plots
-SAME	Reverse autoscaling for all data (must be first)
-SAMEP	Reverse autoscaling, all data, all plots (must be first)
-HALF	Reverse autoscaling to use top half of plot area
-HALFP	Reverse autoscaling, top half of plot area, all plots
0.0	If you provide a number, also specify the Top

- The default is AUTO in the **Bottom** field. This automatically selects the best scale to display each separate trace on the plot (ie there may be different scales for different traces on the same plot). “-AUTO” causes automatic scaling with the trace inverted (lowest value at the top, highest at the bottom). This is useful when plotting rainfall and flow on the same set of axes.
 - To define a scale of your choice it is necessary to set values in both **Bottom**, the minimum value to be displayed on the Y axes and **SCALE**, the maximum value to be displayed, eg 0 in **Bottom** and 10,000 in **Top**.
 - There is also a **Same** option in the Base field. This can be used anytime a scale has been defined by **AUTO** or by setting the minimum and maximum values. All traces with **Same** will use the defined scale.
- The **Each Page Spans** field has 7 options; Year, Month, Day, Hour, Minute, Second and Period (of record), while the **Timestep Multiplier** is a number field. Together they define the extent of the time or ‘X’ axis. For example:
 - To plot 10 years of data

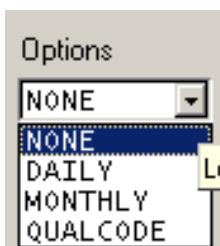
Timestep to be Plotted = Year

Timestep Multiplier = 10
 - To plot 8 hours of data

Timestep to be Plotted = Hours

Timestep Multiplier = 8
- **Option**
 - The Options parameter lets you specify a set of advanced options for each trace.

There are two main features that can be controlled by the Options:



You can override the default interval (timestep) used by this trace, allowing you to plot daily or monthly rainfall totals against instantaneous flows

You can force a trace to be coloured according to the quality code of the data in it. This can cause a single trace to be made up of several coloured segments, each representing a run of data with a certain range of quality codes. If you choose an option with this setting, you must either have one trace only, or have your *Stack Traces* parameter set to Yes.

If this parameter is left blank or has a value of NONE, no options are applied.

- **Interval Resolution and Interval Multiplier (Divided into)**

- these two options define the number of points that are plotted. As mentioned previously there are limits to the number of intervals that can be plotted (max 35,136). If you specify a value other than **DEFAULT**, the total number of intervals on a trace (Period Multiplier * Period Type) / (Interval Multiplier * Interval Type) may not exceed 35136. You will be informed by the system if this number of points is exceeded.
- The default option is **DEFAULT** and **1**. With this option the system works out the best interval resolution option to display as much data as possible.
- To manually select a desired period the system works similarly to **Each Page Spans** and **Period Multiplier** above, ie
 - To plot a point every 10 days
Interval Resolution = Days
Interval Multiplier = 10

- **Start Time**

- Once the axes have been defined the start time of the plot is entered.
- Plots must start on the beginning of a page span unit, eg if the plot spans 6 months the plot must start at 00:00 on the 1st day of a month,.

- **Number of pages**

- Specifies the number of pages the plot is to span.

- **Stacked Traces**

- **NO**, the default, allows the user to have several traces on the one set of axes on the page,
- **YES** allows several sets of axes, one below the next, on the one page, with one trace per set of axes as seen below.

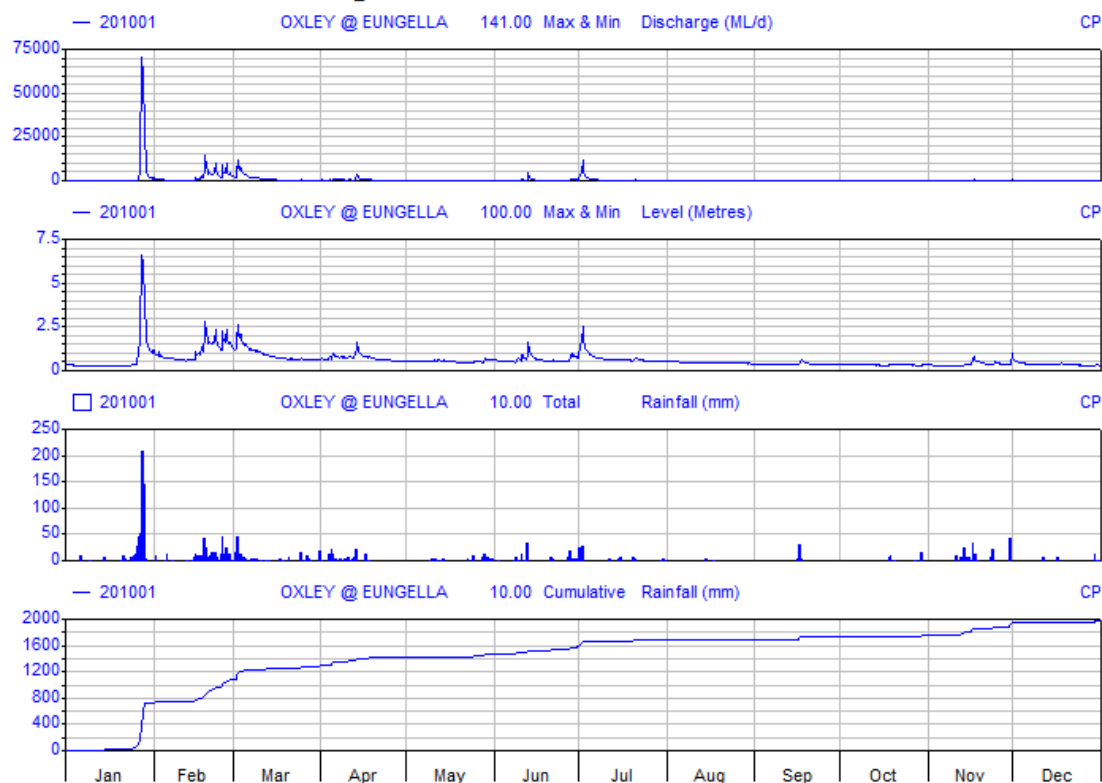
NSW Office of Water

HYPLOT V133 Output 06/03/2014

Period 1 Year Plot Start 00:00_01/01/2013

2013

Interval 12 Hour Plot End 00:00_01/01/2014

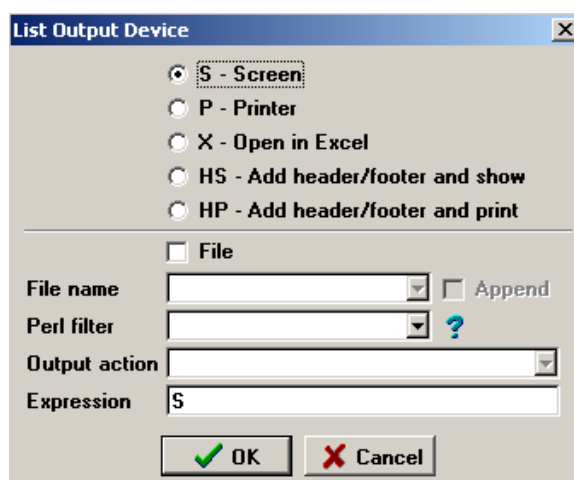


- **Plot Output**

- This allows the user to specify the output device to which the output should be sent. The default is to the screen. This allows the user to view the data before sending it to the preferred output device.
- The output device may be a file (six formats available) or to the standard windows printer.

SCR	SCR	Screen Display
WPR	WPR	Standard Windows Printer
BMP	BMP	Windows Bit Map
JP1	JP1	JPEG File
JP2	JP2	JPEG File
JPG	JPG	JPEG File
PN1	PN1	PNG File
PN2	PN2	PNG File
PNG	PNG	PNG File
SVG	SVG	SVG File
WIP	WIP	Windows Interactive Plot File
WIT	WIT	WIP File (Text Format)
WMF	WMF	Windows MetaFile

- If the output standard format is a report (ie text) or there is a plot or print option in the program than there are additional options for output.

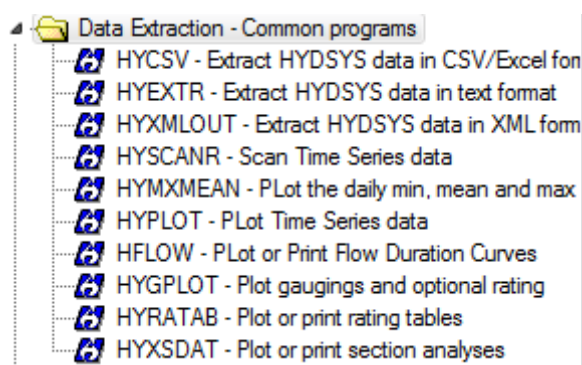


X will load the text output into MS Excel. Note: Unless the output is from HYCSV the data will not be automatically formatted into columns

HS and HP will load the text output into MS Word.

Useful Programs

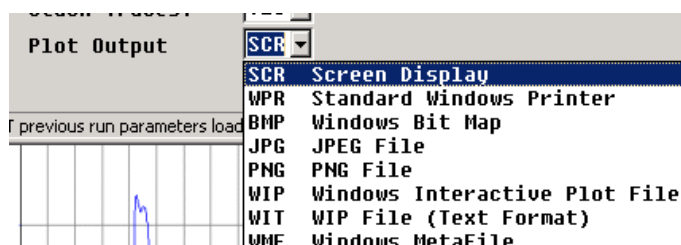
Included in the Company Favorites menu is a section called Common Programs.



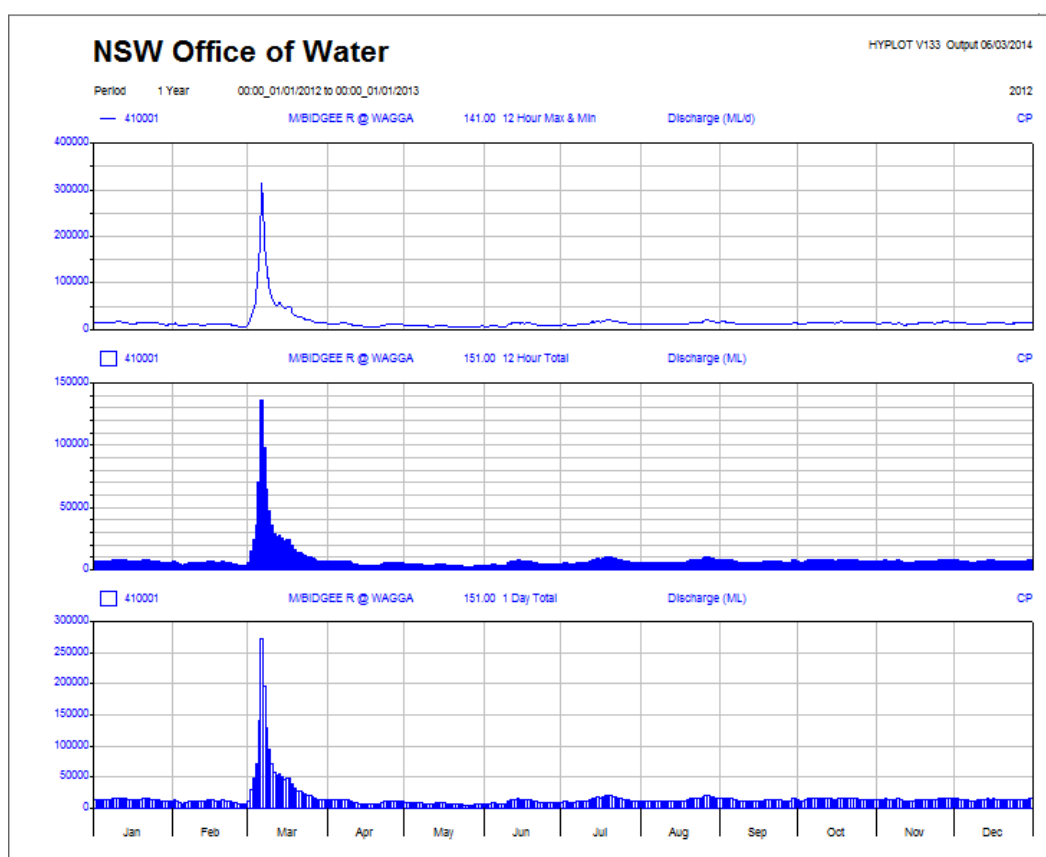
This menu contains direct access to the most commonly used programs in PINNEENA and saves having to hunt through the other menus to find the programs you commonly may wish to use.

Viewing Outputs

The generated output is displayed in a special viewing window, either as a separate window or as the right hand window in PINNEENA Explore. This special window is automatically run when you select a plot device of **SCR** (screen) when running a HYDSTRA plot program, or **S**(screen) as the output device when running HYDSTRA programs that produce text outputs.



From this window you can format plot and text report files on the screen, and then copy them to the clipboard or send them to your Windows printer.



The plot shown above has three traces on stacked axes. The top trace shows the maximum or minimum instantaneous flow within a 12 hour period, the middle trace shows 12 hour histograms of flow volume and the bottom trace shows the daily flow volume.

Note: This plot illustrates one of the ‘traps for young players’ in viewing graphical data.

In producing this plot you have requested to view instantaneous and daily flow data. The top plot is of instantaneous discharge middle and lower plots are of total discharge in Megalitres. In the case above, the program has decided by default that for a 1 year interval, the best time interval for the top two graphs to show the maximum amount of data is 12 hours. The bottom plot has had the time interval forced to 1 day by using Daily in the Options field.

Code	Site	Data Source	VarFrom	VarTo	Type	Axis	Bottom	Top	Options
DATA 410001		CP	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA 410001		CP	151.00	151	TOT	LIN	AUTO	0.0	NONE
DATA 410001		CP	151.00	151	TOT	LIN	AUTO	0.0	DAILY
DATA 0		A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE
DATA 0		A	100.00	141	MAXMIN	LIN	AUTO	0.0	NONE

PLOT Each Page Spans: 1 YEAR
 Divided Into: 12 HOUR
 Start Time: 00:00_01/01/2012
 Number of Pages: 1
 Plot Options: STACKED
 Plot Output: SCR

Run Close

HYPLIT complete

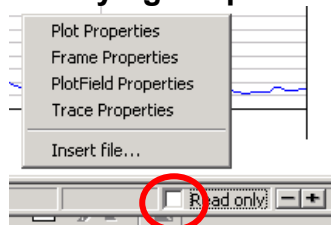
For the middle graph, even though you have requested 151 (ie daily data) the program has displayed the output for the best time step which is 12 hours. This means that the data you are

seeing has been halved ($2 * 12 = 24$), you are not seeing the actual daily flow data that is displayed in the bottom graph.

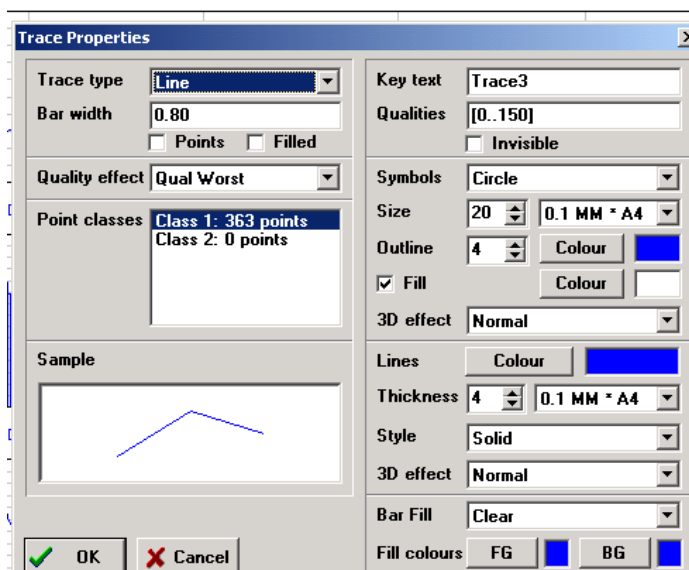
There are less issues in viewing tabular data be it from the data extraction programs or from the programs that produce formatted text outputs. Only the period you have specified is displayed.

NSW Office of Water												HYDAY V106 output 10/11/2009			
Site	410001	MURRUMBIDGE RIVER AT WAGGA WAGGA										Year	2008		
VarFrom	100.00	Stream Water Level in Metres										Table Type	Rate		
VarTo	141.00	Stream Discharge in Megalitres/day													
Figures are for period ending 2400 hours.															
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Day		
1	5356	03303	03283	02356	0930.8	0912.1	0604.2	01022	02725	01742	06119	04936	0	1	
2	5270	03056	03318	02453	01037	01069	0611.7	0975.8	02669	01697	05610	04651	0	2	
3	5450	02856	03418	02479	0958.8	01000	0611.7	0915.5	04558	01642	05868	03918	0	3	
4	5517	02835	03196	02478	0788.6	0947.7	0579.4	0875.7	03154	01666	05878	03706	0	4	
5	5446	02817	03105	02499	0699.6	0837.7	0710.8	01233	02247	01646	05530	03582	0	5	
6	5115	03100	02990	02886	0666.9	0752.5	0874.1	01358	01966	01626	04366	03491	0	6	
7	4943	02340	03188	02874	0643.7	0650.0	0958.8	01234	02014	01833	03991	03726	0	7	
8	4904	02157	03511	02745	0640.1	0616.3	0823.7	01112	01900	02121	04076	04254	0	8	
9	4894	01900	03678	02728	0648.6	0761.6	0778.8	01030	01811	02172	03695	04732	0	9	
10	4863	01463	03766	02529	0646.6	0837.1	01098	01003	01741	01848	03916	04808	0	10	
11	4847	01268	03754	02551	0663.9	0775.3	02023	01034	01696	01745	04474	04825	0	11	
12	4814	01481	03612	02620	0654.7	0700.8	01639	01094	01644	01882	03927	04916	0	12	
13	4785	01652	03536	02623	0645.2	0567.7	01364	01264	01728	02262	03661	04396	0	13	
14	4860	01810	03918	02857	0629.0	0650.1	01699	01745	01844	02429	03497	03491	0	14	
15	4876	02314	04361	03193	0639.5	0768.8	01602	01669	02173	02427	03387	02541	0	15	
16	4849	02343	04484	03280	0661.9	0754.4	01328	01650	02454	02614	03348	02464	0	16	
17	4818	02845	04153	03118	0637.4	0868.9	01136	01529	02316	03559	03579	02163	0	17	
18	4743	03480	03628	03013	0642.5	01028	01066	01429	02713	04390	03655	01744	0	18	
19	4814	03269	03520	02618	0661.8	01131	01026	01476	03040	04751	03649	01626	0	19	
20	3997	02813	03326	02409	0635.3	01352	01018	01385	02953	05053	03423	01883	0	20	
21	3230	02649	03031	02383	0631.6	01268	0993.5	01250	03125	05397	02975	01987	0	21	
22	2707	02756	03052	02350	0657.5	01059	01206	01169	03292	06150	02643	02832	0	22	
23	2428	02980	03135	02161	0611.8	0875.5	03328	01261	03484	06054	02869	03728	0	23	
24	2325	03076	03408	01833	0600.7	0773.9	03751	02307	03449	06283	04430	03853	0	24	
25	2581	02924	03644	01552	0514.3	0702.6	02424	02889	04726	06366	04961	03668	0	25	
26	2855	02699	04040	01456	0501.7	0657.6	01899	02905	04326	06387	05119	03569	0	26	
27	2826	02674	05664	01396	0487.1	0634.8	01338	02767	02579	06441	04732	03640	0	27	
28	2738	02875	04690	01208	0472.2	0613.8	01331	02357	01881	06747	04472	03614	0	28	
29	3094	03175	02720	0979.3	0466.8	0597.3	01198	02326	01590	06834	04402	03525	0	29	
30	3309	0	2047	0890.9	0594.2	0585.2	01101	02807	01603	06747	04528	04016	0	30	
31	3311	0	2099	0	809.3	0	1065	02970	0	6314	0	4191	0	31	
Mean	4212	02583	03525	02350	0660.0	0825.1	01335	01614	02580	03833	04226	03564	0		
Median	4814	02813	03511	02489	0645.2	0771.3	01101	01358	02385	02614	04034	03668	0		
Max. Daily Mean	5517	03480	05664	03280	01037	01352	03751	02970	04726	06834	06119	04936	0		
Min. Daily Mean	2325	01268	02047	0890.9	0466.8	0567.7	0579.4	0875.7	01590	01626	02643	01626	0		
Inst. Max	5619	03554	05809	03327	01053	01384	04672	03017	05847	06848	06204	05034	0		
Inst. Min	2236	01186	01992	0871.6	0466.6	0557.0	0554.7	0858.4	01551	01604	02579	01487	0		
----- summaries -----												----- Notes -----			
All recorded data is continuous and reliable except where the following tags are used...															
@...not quality coded or subject to change															
Annual Mean	2610	@													
Ann. Median	2514	@													
	Maximum		Minimum												
Daily Mean	6834	@	466.8	@											
Instant	6848	@	466.6	@											

Modifying Outputs




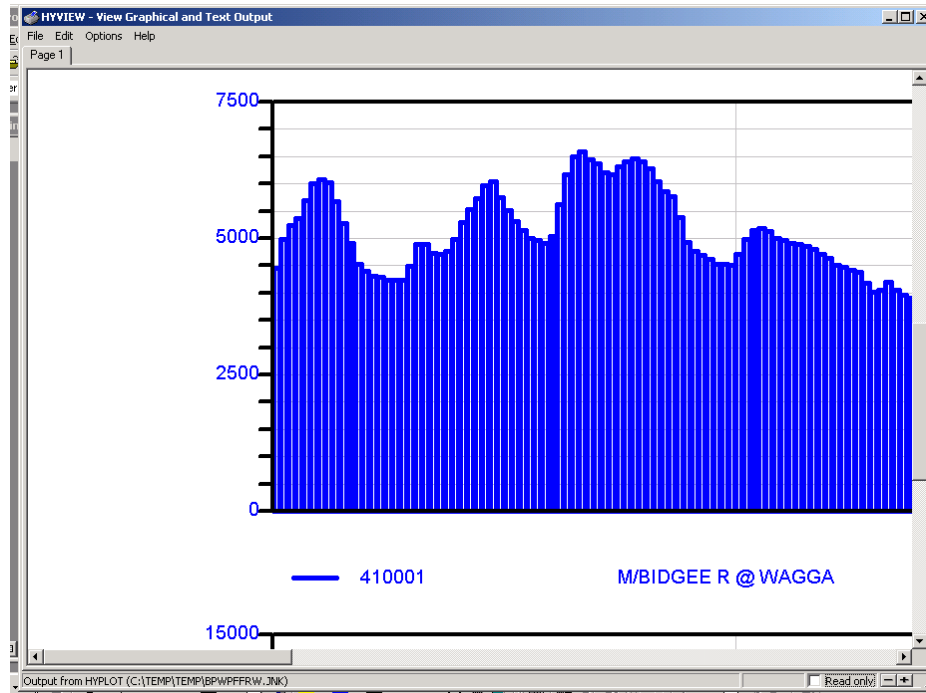
There are a range of things that can be done to modify the outputs produced. Clearing the **Read Only** box and right clicking on a graph will produce the menu on the left and give you the option to change a range of graph properties. You may also right click on text for further options



Holding down the left mouse button and swiping a box over selected trace, then selecting the Trace Properties option allows you to modify the trace and text attributes on the diagram.

Zoom

There are also zoom buttons in the lower right hand corner  which will allow you to zoom in and out of a graphics window or change the Font size in a text window.



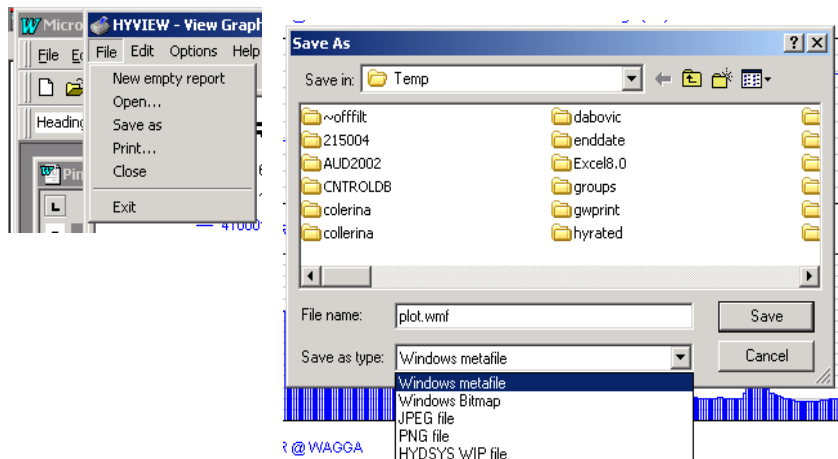
This zoom effect only changes the image on the screen.

If you save, print, copy, etc these actions are performed on the total image and not just the zoomed portion in the window.

Useful Menu Options

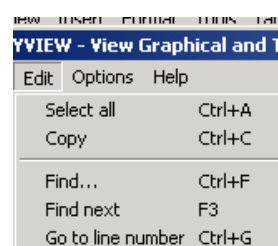
File

File | Save As - Saves the current report (to a text file) or the current plot file to a range of file formats as shown below:



File | Print - Prints the current page to the default windows print device which can be a printer, plotter, fax, etc

Edit

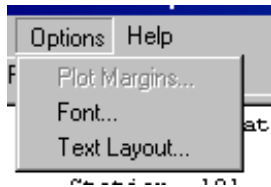


Undo, Cut, Select All, Paste, Find, Find Next and Go to all only work with Text files. Their operation is the same as standard windows operations ie Cut - Cuts the currently selected text into the clipboard.

Edit | Copy - For plots, this copies the current plot to the clipboard, so that you can paste it into Microsoft Word, or any other program that accepts pasting Windows Metafile data.

For text reports, it copies the currently selected (highlighted) data into the Windows clipboard as plain text.

Options

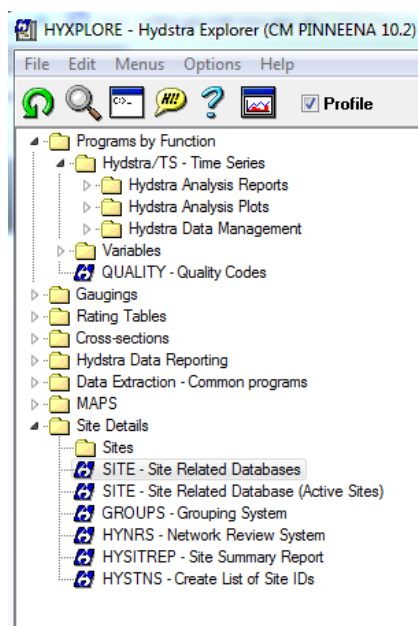


Options items lets you specify the layout (Plot Margins and Text Layout) of the plot or text on the page to be printed. Font... allows the text reports fonts to be specified.

DATABASE PROGRAMS

The other type of data that will be encountered is the database enquiry screen. Like the data analysis programs a consistent screen format, similar to that shown below, is used.

Data in HYDSTRA is stored in two ways. Time series data (a series of times and data values) is stored in a compressed and encoded format, and can only be accessed by HYDSTRA programs. Most other ancillary information – information about the site, ratings, cross sections etc. - is stored in a series of tables in the \HYD\DAT\DBF directory.

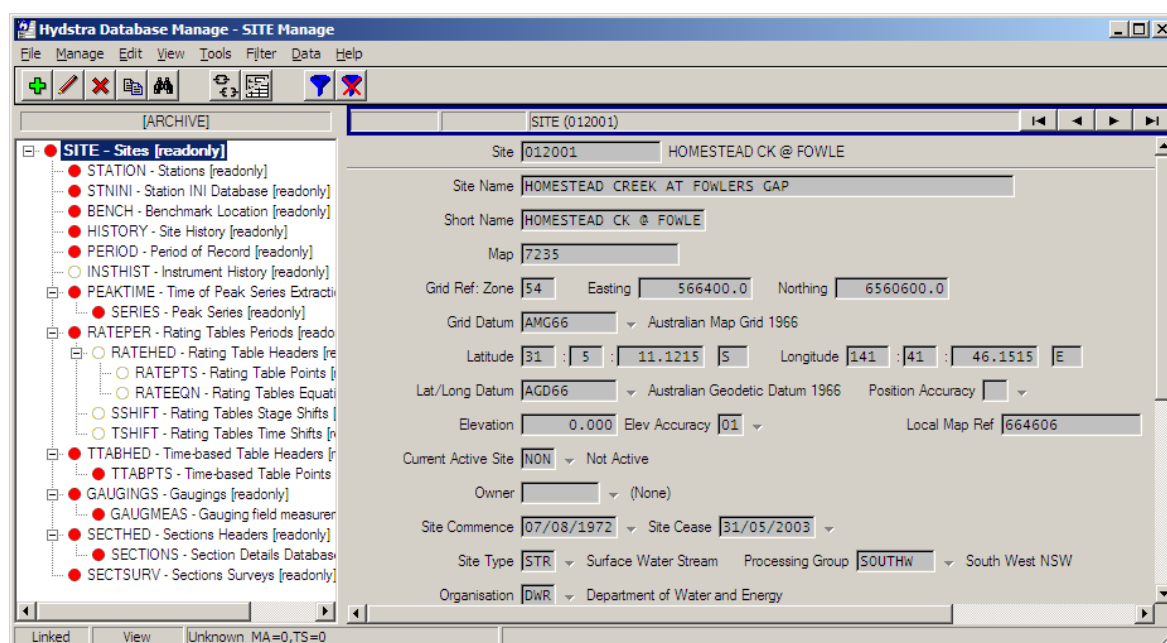


Many of the databases within HYDSTRA consist of several data tables with a parent-child relationship. That is, the key field(s) of one (parent) table is part of a multiple key in the child table. A system of parent – child tables is referred to as a system or manage. It is possible for some tables to be in more than one system. For example, the ratings tables **RATHED**, **RATEPER** etc. appear in the SITE system and also in the Ratings system.

You may see an example of this by doing the following:-

Select SITE - Select Related Data Bases.

This will show the first entry in the SITE table



The relationships of the SITE related tables are shown on the left side of the screen, as below.

The red dots indicate that the database manage program is reading the databases are read only. This is a necessary result of working from a database on the DVD

This means that you will not be able to change any database data but you can still have full access to read and copy the data.

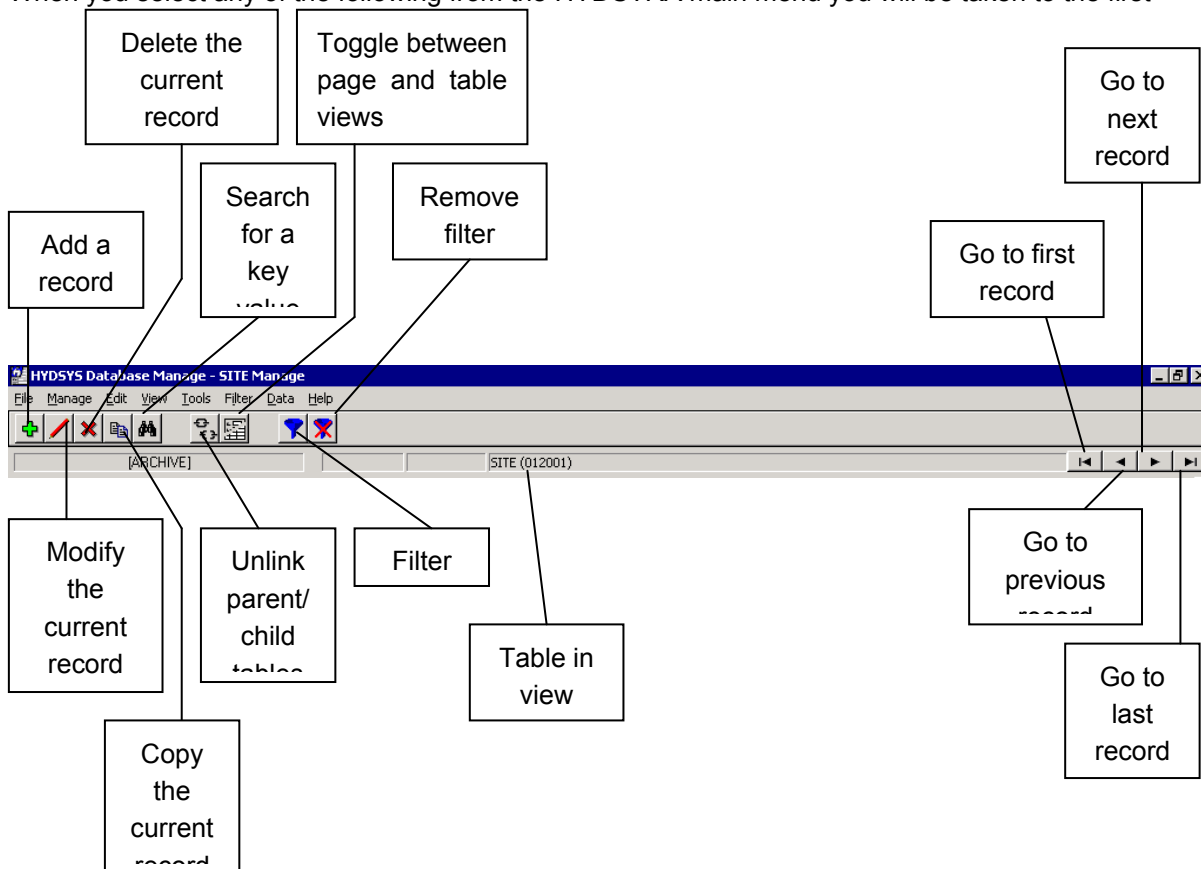
This structure tells us that the parent table is SITE.

SITE, STNINI, BENCH, HISTORY, PEAKTIME, RATEPER, TTABHD, GAUGINGS, SECTHEAD and SECTSURV are child tables of SITE.

SERIES is a child of PEAKTIME, RATEHD is a child of RATEPER

Across the top of the screen is a menu bar and toolbar which allow various operations on the table.

When you select any of the following from the HYDSTRA main menu you will be taken to the first



record in the parent table of the system you have selected.

Sites, Variables, Quality Codes, Instruments, Gaugings, Rating Tables and Cross Sections will all take you into a HYDSTRA table

A number of Ctrl-key commands are provided to allow manipulation and extraction of information from tables. These are also available on the drop-down menus at the top of the screen. Some tables have drop down menu entries specific to them, particularly under the Options heading.

Some of these operations, for example searching and filtering, allow you to make selections within them. To use these shortcuts, hold down the **Ctrl** key and press the appropriate letter.

The shortcuts and their meanings are as follows:-

**** Toggle between **browse** (spreadsheet style view of all records) and screen form mode (full field view for a single site).

<f> **Find** the record that has the key field(s) that you enter. If you are in a child table, the parent keys will be defaults, and only the keys specific to the child table need to be entered.

<g> Extract statistics of numerical fields in the table. For example, in the SITE table, you could extract a sum, average, maximum, minimum and count of the values in say, the Elevation field.

<i> Create a filter that will only show some of the entries in the table. The filter may be based on the contents of one of the fields in the table, or it may be a HYSTNS expression. Moving through the selection groups will create a Dbase expression, which may be modified before applying the filter. Once a filter is set, any operation that you perform on **all records**, for example, deletion, will only operate on those records that have been passed by the filter.

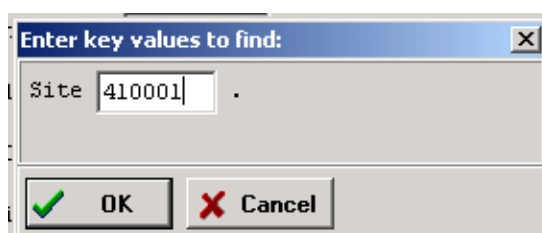
<l> Toggles between link and unlink, when in a child table. Normally, when you are in a child table, you will only see the records that have the same key field values as the parent that you entered through. By unlinking, you will be able to see other entries in the table. Re-linking may not always return you to the original parent.

<p> Print the information on the screen. HYDSTRA supports an expanded printing function that allows the production of specialised reports applicable to each table or system. It also allows you to tailor your own reports using the **List selected fields** option.

Tables in the SITE system are accessed by first finding the site of interest. Do this by entering the site system, and clicking the search button 

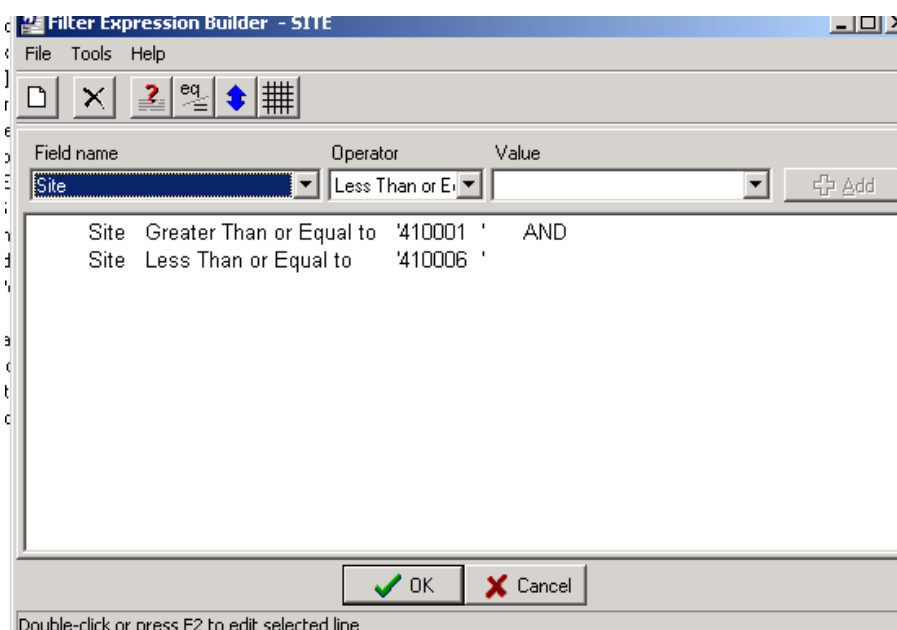
or **<Ctrl> <f>**. Enter the site identifier in the search box and click **OK**.

The following dialog box appears and you are requested to enter the site number of interest or one close to it.



You may also find sites of interest by filtering.

To do this, click on the **Filter** button or press **<Ctrl> <i>** to bring up the filter window.



From here you may enter multiple filter parameters. Usually, the easiest way to use the filter builder is by selecting fields and operators from the drop-down boxes, and entering a value in the **Value** window. For complex filter expressions, though, it is sometimes necessary to toggle the view to dBase expression format. This allows you to add brackets to the filter expression. You may change the .AND. operator to .OR. by selecting the line and right clicking.

This will display the first site selected. You may scroll through the selected sites one record at a time using the arrows in the top right hand corner, or you may toggle to a table view and click on the site you want.

You can toggle between Form and Browse views at any time using the toggle button.

Form View – all fields for one site

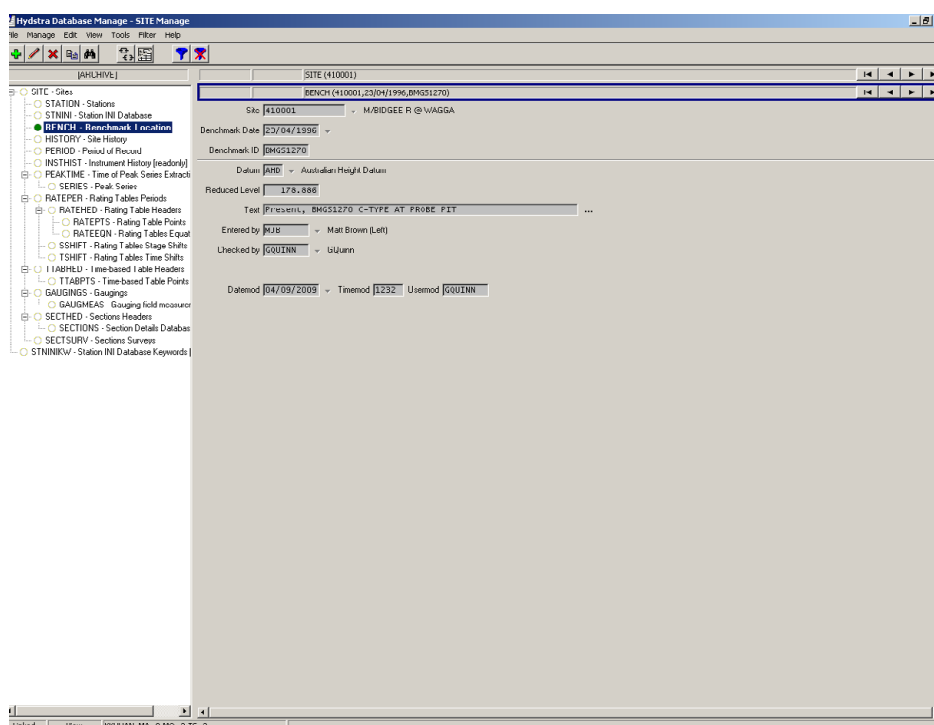
Browse View – view all fields for all tables

Site	Site Name	Short Name	Map	Zone	Elev
201001	OXLEY RIVER AT EUNGELLA	OXLEY @ EUNGELLA	9541-II-N	56	
201002	ROUS RIVER AT BOAT HARBOUR NO.1	ROUS @ BOAT HARBOUR	9541-II-N	56	
201003	TWEED RIVER AT BRAESIDE	TWEED @ BRAESIDE	9541-II-S	56	
201004	TWEED RIVER AT KUNGUR	TWEED @ KUNGUR	9541-II-S	56	
201005	ROUS RIVER AT BOAT HARBOUR NO.3	ROUS @ BOAT HARBOUR 3	9541-II-N	56	
201006	OXLEY RIVER AT TYALUNG	OXLEY @ TYALUNG	9541-III-N	56	
201007	HOPPING DICK CREEK AT LIMPINWOOD	HOPPING DICK CREEK	9541-III-N	56	
201008	ROUS RIVER AT CHILLINGHAM	ROUS R @ CHILLINGHAM	9541-II-N	56	
201009	ROLANDS CREEK AT UKI	ROLANDS CK @ UKI	9541-II-S	56	
201010	BYRILL CREEK AT GLEN WARRING	BYRILL@GLEN WARRING	9541-II-S	56	
201011	DOON DOON CREEK AT LOWER DOON DOON	LOWER DOON DOON	9541-II-S	56	
201012	COBAKI CREEK AT COBAKI	COBAKI CK @ COBAKI	9541-I-S	56	
201013	DOON DOON CREEK D/S CLARRIE HALL DAM	D/S CLARRIE HALL DAM	9541-II-S	56	
201014	DOON DOON CREEK AT FOGARTYS DIP	FOGARTYS DIP	9541-II-S	56	
201015	TWEED RIVER D/S PALMERS RD CROSSING	D/S PALMERS RD XING	9541-II-S	56	
201900	TWEED RIVER AT UKI	TWEED @ UKI	9541-II-S	56	
202001	BRUNSWICK RIVER AT DURRUMBUL (SHERRYS CROSSING)	BRUNSWICK@ DURRUMBUL	9540-I-N	56	
202002	Burringbar Creek @ Burringbar	Burringbar	9541-II-S	56	
20201001	Burringbar Creek @ Burringbar	Burringbar	9541-II-S	56	
202400	MARSHALLS CREEK AT BILLINGDOL	MARSHALLS BILLINGDOL	9640-IV-N	56	
203001	WILSONS RIVER AT GOONEGARRY	WILSONS @ GOONEGARRY	9540-I-N	56	
203002	COOPERS CREEK AT REPENTANCE	COOPERS @ REPENTANCE	9540-I-S	56	
203003	EMIGRANT CREEK AT KNOCKROW NO.1	EMIGRANT@ KNOCKROW 1	9640-III-N	56	
203004	RICHMOND RIVER AT CASINO	RICHMOND @ CASINO	9540-III-N	56	
203005	RICHMOND RIVER AT WANGAREE	RICHMOND @ WANGAREE	9440-I-N	56	
203006	LYNCHS CREEK AT WANGAREE	LYNCHS CK @ WANGAREE	9441-II-S	56	
203007	TERANIA CREEK AT BLAKES	TERANIA CK @ BLAKES	9540-I-S	56	
203008	RICHMOND RIVER AT THE RISK (ALCORN'S)	RICHMOND R @ THE RIS	9440-I-N	56	
203009	BACK CREEK AT BENTLEY (BUCKLANDS BRIDGE)	BACK CK @ BENTLEY	9540-IV-S	56	
203010	LEYCESTER RIVER AT ROCK VALLEY	LEYCESTER RCK VALLEY	9540-IV-N	56	
20301004	COOPERS CREEK AT GREENGATE ROAD	COOPERS @ GREENGATE	9540-IV-N	56	
20301018	RICHMOND RIVER AT MCINTOSH ROAD	RICHMOND @ MCINTOSH	9441-III-S	56	
20301019	LYNCHS CREEK D/S WARRAZAMBIL CK JUNCTION	LYNCHS @ WARRAZAMBIL	9441	56	
20301020	RICHMOND RIVER AT BAILEYS BRIDGE	RICHMOND @ BAILEYS	9440-I-N	56	
20301021	RICHMOND RIVER AT DRONEYS BRIDGE	RICHMOND AT DRONEYS	9440-III-N	56	
20301022	SHANNON BROOK AT THERESA CREEK ROAD	SHANNON BK @ THERESA	9440-III-N	56	
20301023	DYRAABA CREEK AT SAVANNAH PARK	DYRAABA @ SAVANNAH P	9440-III-N	56	
203011	GOOLMANGAR CREEK AT CLAPINS	GOOLMANGAR @ CLAPINS	9540-IV-S	56	
203012	BYRON CREEK AT BINNABURRA	BYRON CK @ BINNABURR	9540-I-S	56	
203013	WILSONS RIVER AT FEDERAL	WILSONS R @ FEDERAL	9540-I-S	56	

Linked Databases

All databases have a field or set of fields that uniquely identifies every record. Typically this is the eight character site number or site identifier. This is called the primary key of the table. Records are generally shown sorted by the primary key. The key is also used to define hierarchical relationships between tables. Many database programs will display a hierarchy of tables from a single screen. There will be the “parent” table, at the top of the hierarchy, with possibly several “child” and “grandchild” tables below.

What this means is that if you select site 410001 in the SITE database above you will not only see the SITE record(s) for 410001, you will also see the BENCH record(s) for 410001. Similarly STATION, HISTORY, PERIOD records etc.



To see the records for 410002 we have to go back to the parent or top table (SITE) and select 410002.

In the box at the left of the screen, all the tables in the system are displayed. You can choose the database you wish to be active by clicking on it. This will display the first entry for that site in the database you select.

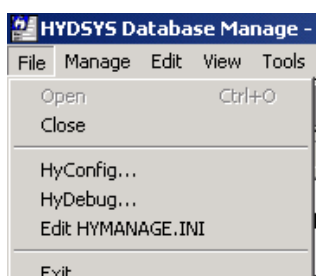
Menu Options

Access the full range of database menu options, can be gained by :

1. Moving the mouse across the menu item and selecting the desired option,
2. using the short cut keys (see above), or
3. clicking on one of the toolbar buttons.

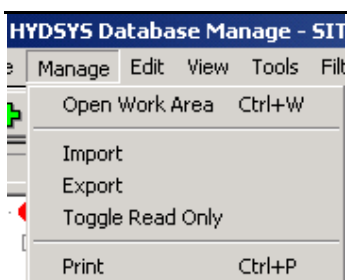
The database function keys only operate on the opened screen.

File



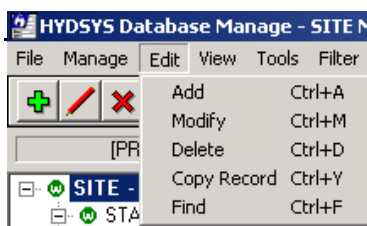
- Close – closes the currently open table
- HYCONFIG – allows you to make temporary changes to timeouts, paths etc. This will not usually need to be used.
- HYDEBUG – If you have problems running Pinneena, OFFICE or HYDSTRA may request you to run a program in debug mode. This will create huge files.
- Edit HYMANAGE.INI. - Not required.
- Exit – Exits the database system.

Manage



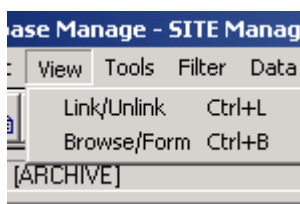
- Open work area – It is possible to export data from database tables to a work area, where they will be stored in the same format and structure as the archive tables. You may use Pinneena to make changes to the data in these work areas.
- Export – exports Pinneena data to a .CSV file or a work area.
- Import – may be used to import data from a .CSV file to a work area
- Toggle read only – toggles work areas between writeable and read-only. Writeable tables are shown with green dots next to them, read-only tables have red dots.
- Print – access to standard reports

Edit



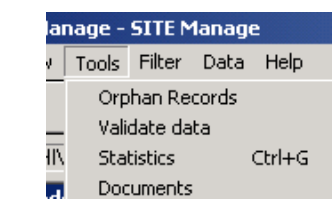
- Add, Modify, Delete and Copy Record – allow you to make changes to tables in work areas only
- Other Page – for multipage screens

View



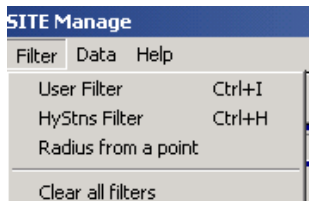
- Link / Unlink – links and unlinks parent and child tables.
- Browse/Form – toggles between table and form views.

Tools



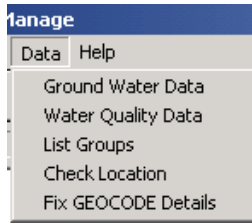
- Orphan Records & Validate Data – not available in Pinneena
- Statistics – calculates basic statistics on numerical data in the table
- Documents – shows documents and photographs related to the site
-

Filter



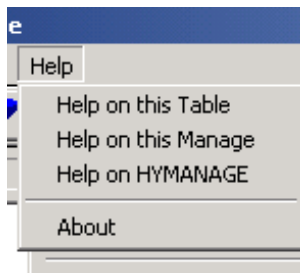
- User filter – allows you to set a filter as described above
- HyStns Filter – allows you to filter on a list of sites created from the contents of a file or directory. For details, see the HYDSTRA documentation
- Radius from a point – filters to all sites within a nominated radius from a point.

Data



Not applicable to Pinneena

Help



- Help on this table - provides information about the table in use, including its structure and the types of fields
- On this manage - displays system information
- Help on HYMANAGE – provides documentation and general information about using the databases
- About – displays version, release and storage usage information about HYMANAGE.

User Registration and Product Evaluation

To enable us to keep you up to date with product enhancements, we ask that you take the time to fill in both pages of this evaluation report. The first page requires details of your hardware and applications. This information, together with your address, will enable us to keep you informed about product development as well as being a handy reference for our help desk.

The second page is a product evaluation. We would appreciate your comments on the programs and documentation, once you have explored **PINNEENA 9.3** and have some experience with its use.

PINNEENA EVALUATION			
Organization		Address	
.....		
.....		
.....		
Contact Person		Phone	Fax
.....		(.....).....	(.....).....
.....			
.....			
E-Mail			
.....			
Computer System (tick first line)			
OS: 2000..... XP..... VISTA.....			
CPU Type: Pentium III.....IV.....DUAL Core.....Quad Core.....			
64 BIT..... AMD32.....AMD64.....			
CPU Speed:.....MHz RAM:.....Mb Hard Disk Size.....Mb			
Program Use (e.g. research, consulting, etc)			
.....			
.....			
Experience	Yes/No	Number of Years?	Comment
Are you experienced with HYDSTRA software ?			
Are you familiar with PCs and the Windows OS ?			
Are you experienced in Hydrology ?			
Are you experienced with GIS?			
System Use	Yes/No	Comment	
Do you use other Hydrological or Statistical Packages ? If so what package?		
		
		
Is it easy to transfer data to this package?		
		
Do you use the HYDDE or HYDLL programmatic access to data?		
		
How do you access the	MapHYD		HYDSTRA Plot Programs

Please return this evaluation to:

Water Data Systems Manager
NSW Office of Water
PO Box 3720
Parramatta NSW 2124

Appendix A - PINNEENA 10.2 Short Cut Keys

From the Menu screens

<F1>	Help - allows you to browse the documentation for the program highlighted
<F8>	Rerun - will restore the last parameter screen for the program highlighted
<F9>	DOS - will shell you to DOS
<Esc>	Abort - will exit from the current menu screen

From the Parameter screens

<F1>	Help - will give information about the field if available
<F2>	Lookup - will allow you to select from a lookup table
<Enter>	Execute the program (Standard Windows definition)
<↑>	Up Arrow - will move the cursor to the next line up,
<↓>	Down Arrow - will move the cursor to the next line down,
<← →>	Across Arrows - will move the cursor sideways in a field Across Arrows - at either end of the field will move cursor to the next field
<Esc>	Abort - will exit from the parameter screen, and
<TAB>	Move you forward through the data
<SHIFT><TAB>	The Shift -Tab combinations move the cursor back through the data

From Database screens

<Ctrl-P>	Print - allows you to print the screen or the database
< Ctrl-B>	Browse – toggles between table and form views
< Ctrl-F>	Find - allows for searches on the gauging site number only
<Tab>	Move - moves the cursor between database windows (where applicable)
<Home>	Top - moves to the first record
<End>	Bottom - moves to the last record
<PgUp>	When in table view, moves up 20 records
<PgDn>	When in table view, moves down 20 records
<↓>	Next - moves to the next record
<↑>	Previous - moves to the previous record

Appendix B - PINNEENA 10.2 Archive Inventory

O dear Ophelia, I am ill at these numbers; I have not art to reckon my groans...

Hamlet, Act II
Scene II

Station	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T	W H O	Discont.	Org. Net	Code Class	NAME
Number	Start	End	Start	End	First	Last	Last	of	of	a t t o u i u x	i m m n r p n m y	Date			
					Starts	Starts	Tab	Tab	Gaug	n p p d b H d d g					

BASIN 012 - LAKE BANCANNIA

012001															31/05/2003 DWR DISC HOMESTEAD CK @ FOWLE
012002	01/01/1975	01/01/1994	07/08/1972	16/12/1995						R					31/05/2003 DWR DISC FRIESLICH DAM
012003	01/01/1977	01/01/2004	19/03/1977	31/05/2003						R					31/05/2003 DWR DISC FOWLERS CK

BASIN 201 - TWEED RIVER

\$201001	01/01/1801	01/01/2101	03/03/1957	15/10/2013	22/05/1947	08/11/2004	145	14	410	R					DWR PI OXLEY @ EUNGELLA
201002	01/01/1947	01/01/1958			27/05/1947	02/05/1956	4	4	48						31/07/1957 DWR DISC ROUS @ BOAT HARBOUR
201003	01/01/1951	01/01/1969	23/01/1953	11/06/1967	20/08/1951	14/08/1968	23	23	126						31/12/1968 DWR DISC TWEED @ BRAESIDE
201004	01/01/1954	01/01/1983			10/08/1954	26/08/1971	9	12	196						02/06/1982 DWR DISC TWEED @ KUNGHUR
\$201005	01/01/1801	01/01/2101	10/02/1954	15/10/2013	01/01/1957	05/01/2008	29	29	276						DWR SPS ROUS@ BOAT HARBOUR 3
201006	01/01/1969	01/01/1983			06/05/1969	27/01/1974	11	11	108						12/08/1982 DWR DISC OXLEY @ TYALGUM
201007	01/01/1969	01/01/1983			07/05/1969	01/07/1981	10	10	105						02/06/1982 DWR DISC HOPPINGDICK@LIMPINWO
201008	01/01/1969	01/01/1983	18/02/1956	03/04/1972	16/02/1881	02/09/1981	99	17	110						02/06/1982 DWR DISC ROUS R @ CHILLINGHAM
201009	01/01/1969	01/01/1983			10/05/1969	21/09/1974	5	5	114						02/06/1982 DWR DISC ROLANDS CK @ UKI
201010	01/01/1969	01/01/1983			12/05/1969	08/04/1981	9	9	108						02/06/1982 DWR DISC BYRRILL@GLEN WARNING
201011	01/05/1969	01/06/1982	10/11/1969	22/01/1982	01/06/1907	20/01/1982	9	9	103						13/05/1982 DWR DISC DOON@LOWER DOONDOON
201012	01/01/1801	01/01/2101	09/06/1982	15/10/2013	01/06/1982	21/08/2007	140	20	136						DWR SMS COBAKI CK @ COBAKI
201013			27/04/2009	05/02/2010					12						DWR PI DOON CK@ D/S CLARRIE
201014									10						27/08/2001 DWR DISC DOON CK@ FOGARTYS
201015			27/04/2009	15/10/2013	27/04/2009	27/04/2009	1	1	31						DWR TWEED R @ D/S PALMER
\$201900	01/01/1801	01/01/2101	14/03/1946	15/10/2013	13/06/1967	21/05/2009	205	33	230						DWR PI TWEED @ UKI

BASIN 202 - BRUNSWICK RIVER

\$202001	01/01/1801	01/01/2101	18/10/1971	14/10/2013	21/10/1954	28/01/2013	302	76	378						DWR PI BRUNSWICK@ DURRUMBUL
202002	01/01/1801	01/01/2101	02/11/2010	14/10/2013	02/11/2010	27/01/2013	2	2	19						DWR CR BURRINGBAR CK @ BURR
202400			01/02/1954	23/06/2009	01/01/1900	01/01/1900	100	1							06/07/1982 DWR DISC MARSHALLS CK@ BILINU

BASIN 203 - RICHMOND RIVER

203001	01/01/1920	01/01/1930			03/02/1920	01/04/1926	2	3	46						31/10/1929 DWR DISC WILSONS @ GOONEGARRY
\$203002	01/01/1801	01/01/2101	25/02/1952	28/08/2013	01/02/1920	07/04/2004	161	37	416	R					DWR PI COOPERS @ REPENTANCE
203003	01/01/1921	01/01/1928			24/05/1921	14/09/1922	3	3	31						15/09/1927 DWR DISC EMIGRANT@ KNOCKCROW 1
\$203004	01/01/1801	01/01/2101	21/03/1970	18/10/2013	01/06/1943	24/08/2011	173	38	498						DWR PPS RICHMOND @ CASINO
\$203005	01/01/1801	01/01/2101	28/05/1960	04/06/2010	01/01/1900	27/12/2010	308	103	442	R					DWR PI RICHMOND @ WIANGAREE

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. of Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y n p p d b H d d g	W H O i u x D i s c o n t . Date	Org. Net Code Class	NAME
203006	01/01/1943	01/01/1985			31/05/1943	31/12/1984	160	23	161		04/06/1985	DWR DISC	LYNCHS CK WIANGAREE
203007	01/01/1947	01/01/1986			30/05/1947	01/07/1970	11	11	209		05/06/1985	DWR DISC	TERANIA CK @ BLAKES
203008	01/01/1950	01/01/1970			24/11/1950	30/08/1969	5	11	128		31/12/1969	DWR DISC	RICHMOND R @ THE RIS
203009	01/01/1951	01/01/1986	20/02/1954	23/06/2009	22/08/1951	14/01/1974	14	23	254		04/06/1985	DWR DISC	BACK CK @ BENTLEY
\$203010	01/01/1801	01/01/2101	17/06/1967	16/10/2013	01/08/1951	22/08/2007	311	70	381 R			DWR PI	LEYCESTER RCK VALLEY
203011	01/01/1951	01/01/1957			26/08/1951	09/03/1957	5	5	33		05/11/1957	DWR DISC	GOOLMANGAR @ CLAPINS
203012	01/01/1801	01/01/2101	30/09/1977	28/08/2013	28/08/1951	22/05/2009	187	51	369			DWR PI	BYRON CK @ BINNABURR
203013	01/01/1952	01/01/1989	09/03/1974	27/10/1988	14/07/1877	30/01/1988	101	16	261		27/10/1988	DWR DISC	WILSONS R @ FEDERAL
\$203014	01/01/1801	01/01/2101	22/08/1957	22/05/2013	22/08/1957	09/12/2008	171	42	328			DWR SMS	WILSONS @ ELTHAM
203015	01/01/1957	01/01/1986			04/11/1957	02/11/1984	27	31	205		05/06/1985	DWR DISC	GOOLMANGAR CFFEE CMP
203016	01/01/1960	01/01/1968	10/02/1960	26/09/1967	01/01/1960	01/01/1960	100	1	70		26/09/1967	DWR DISC	EMIGRANT @ KNOCKROW2
203017	01/01/1967	01/01/1986			16/09/1966	30/05/1982	17	17	128		04/06/1985	DWR DISC	UPPER HORSESHOE CK
203018	01/01/1967	01/01/1986	04/08/1981	04/06/1985	17/09/1966	17/07/1984	105	14	119		04/06/1985	DWR DISC	EDEN CK @ UPPER EDEN
203019									13		03/03/1976	DWR DISC	EDEN CK THE FORD
203020	01/01/1967	01/01/1969							18		20/05/1968	DWR DISC	IRONPOT CK GHINNIGHI
203021									26		26/06/1973	DWR DISC	MUMMULGUM CREEK
203022	01/01/1967	01/01/1984	19/06/1967	14/04/1983	19/06/1967	20/12/1982	290	44	142		14/04/1983	DWR DISC	TERANIA CK @ KEERONG
\$203023	01/01/1801	01/01/2101	14/11/1975	03/06/2008	08/03/1967	11/01/2011	205	51	317			DWR SFS	IRONPOT CK TOONUMBAR
\$203024	01/01/1801	01/01/2101	12/02/1972	16/04/2013	17/05/1969	22/05/2009	134	42	220 R			DWR SMS	COOPERS CK EWING BDG
203025	01/01/1923	01/01/1986			03/07/1923	05/03/1982	116	17	117		01/01/2010	DWR DISC	MAROM CK ALSTONVILLE
203026	01/01/1969	01/01/1986			21/05/1969	18/02/1985	6	10	106		04/06/1985	DWR DISC	RICHMOND R GREVILLIA
203027	01/01/1969	01/01/1986	24/03/1983	04/06/1985	23/05/1969	04/04/1985	105	17	101		04/06/1985	DWR DISC	FINDON CK TERRACE CK
203028	01/01/1969	01/01/1986			27/05/1969	11/10/1982	50	2	117		04/06/1985	DWR DISC	FAWCETTS PLAIN
203029	01/01/1969	01/01/1972			28/05/1969	04/04/1971	1	2	23		22/09/1971	DWR DISC	SHANNON BRK LEEVILLE
\$203030	01/01/1801	01/01/2101	27/09/1979	16/10/2013	29/05/1969	27/01/2012	216	44	250 R			DWR PI	MYRTLE CK@ RAPPVILLE
203031											27/05/1969	DWR UNCL	REFER 203900
203032	01/01/1970	01/01/1985			01/12/1970	08/05/1986	110	7	121		03/05/1991	DWR DISC	EDEN CK @ ETTRICK
203033									8		14/12/1971	DWR DISC	IRONPOT TOONUMBAR VG
\$203034	01/01/1801	01/01/2101	30/08/2001	16/10/2013	18/12/1970	28/01/2013	100	30	168 R			DWR SFS	EDEN CK @ DOUBTFUL
203035	01/01/1971	01/01/1989	09/11/1976	05/01/1988	27/01/1971	07/02/1985	146	15	133		03/05/1991	DWR DISC	IRONPOT CK @ ETTRICK
203036	01/01/1972	01/01/1979			15/05/1972	18/03/1978	4	4	46		10/01/1979	DWR DISC	GIBBERGUNYAH RANGE R
203037	01/01/1972	01/01/1990	26/09/1979	13/07/1989	20/09/1873	25/08/1988	170	21	125		13/07/1989	DWR DISC	DUCK CK ALSTONVILLE
203038	01/01/1972	01/01/1988	07/03/1979	24/09/1987	01/07/1972	05/03/1987	245	30	122		24/09/1987	DWR DISC	PEARCES CK @ BOOYONG
203039	01/01/1972	01/01/1994	01/11/1973	21/06/1993	31/07/1972	13/03/1991	196	20	158		21/06/1993	DWR DISC	MAGUIRES CK @ TEVEN
203040	01/01/1972	01/01/1976			01/08/1972	04/02/1975	3	3	28		24/09/1976	DWR DISC	GUM CK @ ROUS MILL
\$203041	01/01/1801	01/01/2101	07/03/1979	16/10/2013	01/03/1972	28/01/2013	187	38	194 R			DWR SMS	SHANNON BRK@ YORKLEA
\$203042	* 01/01/1801	01/01/2101	01/07/1974	17/10/2013						R		DWR SFH	TOONUMBAR DAM
203043											01/01/1900	DWR DISC	BUSBYS @ BUSBYS FLAT

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R a t t o u i u x i m m n r p n m y D a t e	Discont.	Org. Net		NAME			
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug			Code	Class				
203044	01/01/1983	01/01/1993	15/04/1983	26/10/1992	13/04/1983	12/12/1991	138	11	63		26/10/1992	DWR	DISC	BATTENS BGHT @ CAMIR			
203045	01/01/1984	01/01/1993	11/04/1984	10/11/1992	11/04/1984	11/06/1991	114	11	51		10/11/1992	DWR	DISC	MYALL CK GIBBERAGE			
203046					24/09/1987	24/09/1987	1	1	7		12/07/2001	DWR	DISC	BENNYS CK @ EUREKA			
\$203047											02/07/2005	DWR	DISC	HENDERSONS DRN			
203048			23/12/2002	11/12/2008	01/01/1900	23/12/2002	1	1	4		01/01/2010	DWR	PJI	MAGUIRES @ ALSTONVI			
203049									3		01/01/2010	DWR	PJI	GUM CK. @ DALWOOD FL			
203050	01/01/2004	01/01/2009	01/09/2004	12/06/2008	26/07/2004	08/05/2005	2	2	8		12/06/2008	DWR		YELLOW CK @ WARDELL			
203051	01/01/2004	01/01/2009	27/07/2004	10/12/2008	27/07/2004	27/07/2004	1	1	7		10/12/2008	DWR		GUM CK @ MAROM CK RD			
203052	01/01/2004	01/01/2009	27/08/2004	11/03/2008	27/08/2004	27/08/2004	1	1	7		11/03/2008	DWR		YOUGMANS@MAROM CK RD			
203053	01/01/2004	01/01/2009	27/07/2004	10/12/2008	27/07/2004	30/08/2006	3	3	7		10/12/2008	DWR		MAROM @ MAROM CK RD			
203054	01/01/2004	01/01/2009	29/07/2004	10/12/2008	29/07/2004	29/07/2004	1	1	8		10/12/2008	DWR	DISC	TUCKI TUCKI@TUCKI RD			
203055			13/11/2004	25/06/2007					1		25/06/2007	DWR	DISC	Lennys Drain			
203056	01/01/1801	01/01/2101	27/10/2010	17/10/2013	15/09/2007	23/02/2013	4	4	26			DWR	CR	Richmond @ Lavelles			
\$203057			03/11/2010	22/05/2013					16			DWR	CR	H'HAN CK @U/S TEVEN			
203059	01/01/1801	01/01/2101	02/08/2011	24/05/2013	02/08/2011	02/08/2011	1	1	17			DWR		MAROM CK @ GRAHAM RD			
203060	01/01/1801	01/01/2101	02/08/2011	24/04/2013	28/06/2011	28/06/2011	1	1	26			DWR		COOPERS CK @ F'MEDOW			
203061	01/01/1801	01/01/2101	02/08/2011	16/10/2013	02/08/2011	02/08/2011	1	1	24			DWR		GOOL @ MCNAMARA WEIR			
203402			29/02/1976	23/06/2009							01/03/1980	PWD	DISC	WILSONS @WOODLAW COL			
203403			04/03/1870	23/05/2009								PWD	WQR	RICHMOND @CORAKI			
203416												PWD		RICHMOND @WARDELL			
203428											01/01/1990	PWD		WILSONS @WYRALLAH			
203429											01/10/1972	PWD	DISC	WILSONS @TUCKURIMBA			
203450											30/06/2013	PWD	WQR	BUNGAWALBYN			
203470												PWD	WQR	RICHMONDRV@OAKLANDRD			
\$203900	01/01/1801	01/01/2101	03/01/1938	17/10/2013	25/05/1969	19/08/2010	119	38	217 R			DWR	SMS	RICHMOND @ KYOGLE			
BASIN 204 - CLARENCE RIVER																	
\$204001	01/01/1801	01/01/2101	14/01/1910	21/08/2013	20/12/1908	23/02/2013	178	79	603 R	T	C	B	P	O	DWR	PI	NYMBOIDA @ NYMBOIDA
\$204002	01/01/1801	01/01/2101	17/03/1910	06/06/2013	01/05/1909	28/08/2011	220	59	514 R						DWR	PPS	CLARENCE @ TABULAM
204003	01/01/1917	01/01/1922			16/04/1917	16/04/1917	1	1	8		01/01/1922	DWR	DISC		CLARENCE @ THE GORGE		
\$204004	01/01/1801	01/01/2101	31/05/1919	21/08/2013	18/05/1919	24/01/1996	171	26	425			DWR	PPS		MANN @ JACKADGERY		
204005	01/01/1921	01/01/1987	11/10/1973	15/05/1986	17/03/1921	28/07/1984	225	47	354		15/05/1986	DWR	DISC		NYMBOIDA BUCCARUMBI		
204006	01/01/1801	01/01/2101	27/02/1983	05/06/2013	03/09/1921	05/12/2011	100	19	195			DWR	CR		BOOKOOKOORARA RIVER		
\$204007	01/01/1801	01/01/2101	05/03/1946	22/08/2013	27/03/1922	29/01/2013	210	69	519 R			DWR	PPS		CLARENCE @ LILYDALE		
\$204008	01/01/1801	01/01/2101	09/10/1973	23/08/2013	27/11/1923	23/02/2013	162	29	397 R	T	C				DWR	PI	GUY FAWKES R @ EBOR
204009	01/01/1923	01/01/1932							41		31/08/1931	DWR	DISC		BIELSDOWN@ DORRIGO 1		
204010	01/01/1923	01/01/1962			04/12/1923	01/07/1955	5	5	100		31/07/1961	DWR	DISC		ROCKY CK @ DORRIGO		

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y n p p d b h d d g	W H O i u x D i s c o n t . Date	Org. Net Code Class	NAME
204011	01/01/1925	01/01/1959			21/02/1925	10/02/1956	7	7	79		28/02/1958	DWR DISC	DEER PARK@ DEER VALE
204012	01/01/1925	01/01/1954			21/02/1925	17/06/1948	7	7	123		01/06/1959	DWR DISC	MAJORS CK GRAFTON RD
204013	01/01/1925	01/01/1962			01/07/1936	03/03/1960	9	9	137		11/03/1961	DWR DISC	JOCKS WATER MAIDA VL
\$204014	01/01/1801	01/01/2101	10/05/1972	22/08/2013	11/10/1945	12/10/2012	139	22	365			DWR PPS	MANN @ MITCHELL
\$204015	01/01/1801	01/01/2101	23/01/1946	22/08/2013	09/10/1945	23/02/2013	204	39	346			DWR PPS	BOYD @ BROADMEADOWS
204016	01/01/1947	01/01/1984	01/04/1971	22/04/1983	06/02/1947	31/01/1980	135	18	269		22/04/1983	DWR DISC	LITTLE MURRAY RIVER
\$204017	01/01/1801	01/01/2101	18/08/1971	01/08/2013	11/02/1947	22/02/2013	148	38	448 R			DWR PI	DORRIGO NO.2 &NO.3
204018	01/01/1948	01/01/1958			16/09/1948	16/09/1948	1	1	43		28/02/1957	DWR DISC	BOBO R. @ BROOKLANA
204019	01/01/1948	01/01/1986	10/02/1972	11/06/1985	21/09/1948	07/10/1983	130	15	266		11/06/1985	DWR DISC	NYMBOIDA@ BOSTOBRICK
204020	01/01/1948	01/01/1986	31/08/1984	07/06/1985	06/10/1948	19/06/1984	100	20	236		07/06/1985	DWR DISC	BLICKS R DUNDURRABIN
204021	01/01/1950	01/01/1986	01/04/1978	14/06/1985	20/04/1950	01/11/1984	115	27	244		14/06/1985	DWR DISC	BLICKS R @ HERNANI
204022	01/01/1951	01/01/1963			24/05/1951	14/11/1959	5	5	82		16/08/1962	DWR DISC	LITTLE DANDAHRA CK
204023	01/01/1951	01/01/1963			05/06/1951	01/06/1955	2	2	76		15/08/1962	DWR DISC	DANDAHRA CK DAM SITE
204024	01/01/1955	01/01/1986	04/09/1984	12/06/1985	02/03/1955	28/11/1983	100	34	245		12/06/1985	DWR DISC	WILD CATTLE@ MEGAN 2
\$204025	01/01/1801	01/01/2101	31/10/1969	30/07/2013	23/07/1951	24/05/2013	394	97	464	T C B P O		DWR PPS	ORARA @ KARANGI
204026	01/01/1951	01/01/1986	03/12/1953	12/06/1985	03/12/1953	03/04/1981	130	19	262		12/06/1985	DWR DISC	BOBO @ BOBO NURSERY
204027	01/01/1951	01/01/1993	05/07/1973	16/11/1992	02/08/1951	25/01/1986	121	9	233 R		16/11/1992	DWR DISC	LITTLE NYMBOIDA R.
204028	01/01/1951	01/01/1961			08/08/1951	29/03/1959	4	4	58		11/10/1960	DWR DISC	MOLE CREEK @ MOLETON
204029	01/01/1951	01/01/1959			13/08/1951	01/08/1955	2	2	40		28/02/1958	DWR DISC	CAMP CREEK @ LOWANNA
\$204030	01/01/1801	01/01/2101	29/08/1977	26/04/2013	24/09/1951	17/07/1995	135	26	311 R			DWR PI	ABERFOYLE@ ABERFOYLE
\$204031	01/01/1801	01/01/2101	18/04/1984	20/08/2013	01/12/1855	28/01/2013	124	44	375			DWR PJI	MANN @ SHANNON VALE
204032	01/01/1951	01/01/1986			18/10/1951	13/12/1984	40	12	157		22/11/1985	DWR DISC	TIMBARRA@ GLEN ELGIN
\$204033	01/01/1801	01/01/2101	07/03/1978	04/06/2013	23/11/1951	10/01/2011	214	41	342 R	T		DWR PPS	TIMBARRA BILLYRIMBAH
\$204034	01/01/1801	01/01/2101	16/08/1971	22/08/2013	26/10/1951	23/02/2013	179	40	348			DWR PI	HENRY @ NEWTON BOYD
204035	01/01/1921	01/01/1963			02/09/1921	23/12/1956	6	6	135		13/08/1962	DWR DISC	BOONOO BOONOO RIVER
\$204036	01/01/1801	01/01/2101	14/03/1952	06/06/2013	14/03/1952	21/03/2011	295	53	411 R			DWR PI	CATARACT SANDY HILL
204037	01/01/1801	01/01/2101	16/02/1971	14/10/2013	27/06/1952	09/03/2001	241	36	289			DWR PI	CLOUDS CK @ CLOUDS
204038	01/01/1952	01/01/1962			10/07/1952	25/01/1960	4	4	63		22/10/1961	DWR DISC	SHEEP STATION CREEK
\$204039	01/01/1801	01/01/2101	08/03/1979	05/06/2013	18/07/1955	02/04/2011	158	39	325			DWR PI	MARYLAND D/S WYLIE C
204040	01/01/1954	01/01/1986	14/12/1982	03/06/1985	28/10/1954	20/02/1985	22	25	204		03/06/1985	DWR DISC	KOREELAH HEWETSONS M
\$204041	01/01/1801	01/01/2101	29/06/1960	20/08/2013	16/06/1955	28/01/2012	143	15	385			DWR PPS	ORARA @ BAWDEN BDGE
204042	01/01/1955	01/01/1987	08/07/1981	13/05/1986	21/07/1955	28/10/1985	190	25	171		13/05/1986	DWR DISC	TOOLOOM CK @ FALLS
\$204043	01/01/1801	01/01/2101	25/03/1960	06/06/2013	25/03/1960	05/01/2008	183	19	279			DWR PI	PEACOCK CK @ BONALBO
204044	01/01/1960	01/01/1986	23/04/1969	06/06/1985	20/04/1960	04/04/1985	355	62	176		06/06/1985	DWR DISC	GORGE CK @ BONALBO
204045	01/01/1960	01/01/1968			31/05/1960	08/05/1963	3	3	59		05/10/1967	DWR DISC	LINDSAY @ WOODENBONG
\$204046	01/01/1801	01/01/2101	07/07/1969	04/06/2013	01/11/1968	22/05/2009	272	48	234			DWR PPS	TIMBARRA @ DRAKE

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b H d d g	Discont. Date	Org. Net Code Class	NAME
204047	01/01/1970	01/01/1979	06/06/1973	10/01/1978	01/05/1970	19/05/1977	135	8	77		10/01/1978	DWR DISC	URUMBILUM DAIRYVILLE
204048	01/01/1970	01/01/1986	08/02/1977	20/11/1985	05/06/1970	02/08/1984	205	22	102		20/11/1985	DWR DISC	COOMBADJHA CREEK
204049	01/01/1970	01/01/1986	27/06/1985	21/11/1985	08/06/1970	10/07/1985	99	16	96		21/11/1985	DWR DISC	DUCK CREEK @ CAPEEN
204050	01/01/1970	01/01/1987	01/03/1982	13/05/1986	11/06/1970	13/11/1984	120	11	101		13/06/1986	DWR DISC	TOOLOOM CK UP TLOOM
\$204051	01/01/1801	01/01/2101	26/03/1976	05/06/2013	01/06/1970	28/01/2013	247	40	224			DWR PPS	CLARENCE PADDYS FLAT
204052	01/01/1970	01/01/1986	01/10/1984	07/06/1985	01/02/1978	13/12/1984	101	5	103		07/06/1985	DWR DISC	YARROW CK@ YARROW CK
204053	01/01/1970	01/01/1986	01/10/1984	07/06/1985	06/03/1982	13/12/1984	100	2	101		07/06/1985	DWR DISC	SARA @ KOOKABOOKRA
204054	01/01/1972	01/01/1986	20/03/1980	06/06/1985	10/05/1972	01/01/1980	97	5	78		06/06/1985	DWR DISC	WASHPOOL LIONSVILLE
\$204055	01/01/1801	01/01/2101	28/02/1972	21/08/2013	28/02/1972	23/02/2013	374	69	220			DWR PI	SPORTSMANS GURRANANG
\$204056	01/01/1801	01/01/2101	23/05/1975	20/08/2013	18/02/1975	28/01/2013	291	47	214			DWR PI	DANDAHRA GIBALTAR R
204057	01/01/1972	01/01/1986	07/09/1982	25/09/1985	08/06/1972	01/02/1985	105	25	97		24/09/1985	DWR DISC	BARNEY DOWNS CREEK
204058	01/01/1972	01/01/1986			18/05/1972	10/07/1985	12	12	83		08/02/1988	DWR DISC	KOREELAH NEW KOREELA
204059									79		20/11/1985	DWR DISC	GLENUGIE CR @ S.GRAF
204060	01/01/1975	01/01/1991	22/05/1975	19/04/1990	22/05/1975	05/04/1990	354	57	126		19/04/1990	DWR DISC	BUCCA CK CNTRL BUCCA
204061	01/01/1929	01/01/1932			02/08/1929	02/08/1929	1	1	7		31/08/1931	DWR DISC	STANTHORPE ROAD
204062	01/01/1951	01/01/1956							34		31/12/1955	DWR DISC	WILD CATTLE@ MEGAN 1
204063											01/01/1929	DWR DISC	NYMBOIDA TAIL RACE
204064											01/04/1958	DWR DISC	KELLYS CK @ DAM SITE
204065											30/09/1930	DWR DISC	ORARA @ KARANGI NO1
204066											31/12/2000	DWR DISC	ORARA @ RAMORNIE
\$204067	01/01/1801	01/01/2101	21/04/1983	14/10/2013	21/04/1983	21/11/2001	5	5	120			DWR SMS	GORDON BK@FINEFLOWER
\$204068	01/01/1801	01/01/2101	14/08/1995	15/10/2013	14/08/1995	22/02/2013	38	38	145			DWR PJI	ORARA @ ORANGE GROVE
\$204069	01/01/1801	01/01/2101	17/09/1997	21/08/2013	17/09/1997	08/11/2013	15	15	90			DWR PJI	NYMBOIDA D/S WEIR
204070											27/08/2001	DWR DISC	SWAN CK @ WILCOX BG
\$204071	01/01/1801	01/01/2101	21/05/2003	16/10/2013	21/05/2003	14/06/2011	5	5	29			DWR SMS	BIELSDOWN@CHARLSTD
\$204072	01/01/1801	01/01/2101	18/08/1999	05/11/2013	18/08/1999	18/08/1999	1	1	5			DWR SFP	NYMBOIDA PS RIGHT BK
\$204073	01/01/1801	01/01/2101	18/08/1999	05/11/2013	18/08/1999	18/08/1999	1	1	4			DWR SFP	NYMBOIDA PS LEFT BK
204074											01/01/2002	DWR UNCL	UPPER NYMBOIDA EOS
204075											01/01/2002	DWR UNCL	BIELSDOWN EOS
204076											01/01/2002	DWR UNCL	WILD CATTLE EOS
204077											01/01/2002	DWR UNCL	BLICKS EOS
204078					18/12/2006	18/12/2006	1	1	5			DWR CR	ACACIA CK @ LEGUME
204400									4			PWD WQR	GRAFTON
\$204403	01/01/1801	01/01/2101	14/08/2001	21/08/2013	14/08/2001	14/08/2001	1	1	R			DWR PRH	COLDSTREAM @ TUCABI
204413			17/02/1995	22/05/2009								PWD WQR	ROGANS BRIDGE
204460											21/03/2013	PWD WQR	CLARENCE@MYLNEFORD
\$204900	01/01/1801	01/01/2101	24/06/1950	06/11/2013	14/07/1971	28/01/2013	173	25	176 R			DWR SPS	CLARENCE @ BARYULGIL
204904			01/01/1839	24/06/2009					6		12/03/2001	DWR DISC	CLARENCE R @ GRAFTON

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b H d d g										Discont.		Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	Date														
\$204906	01/01/1801	01/01/2101	15/11/1972	30/07/2013	18/10/1972	23/02/2013	234	50	250	R								DWR	PI	ORARA R @ GLENREAGH				
20401001										1								DWR	CR	BAGAWA @ ORARA WAY				
20401002										3								DWR	CR	BIELS'N @ ARTIES BDG				
20401003										3								DWR	CR	ROCKY @ EUROKA CK				
20401004										3								DWR	CR	EUROKA @ CORAMBA RD				
20401005										4								DWR	CR	LITTLE FALLS @ BIL'S				
20401006										3								DWR	CR	BIELSD'N @ BANG'W ST				
20401007										3								DWR	CR	DEEP CK @ CORAMBA RD				
20401008										1								DWR	CR	NYMBOIDA @ PLATYPUS				
20401009										2								DWR	CR	BLICKS @ U/S NYMBOID				
20401010										3								DWR	CR	LITTLE PLAINS @ SNOW				
20401011										2								DWR	CR	URUMBILUM @ HOULAHAN				
20401012										2								DWR	CR	ORARA @ D/S DINGO CK				
20401013										2								DWR	CR	WONGIWOMBLE @ RD BDG				
20401014										3								DWR	CR	ORARA AT NANA GLEN				
20401015										3								DWR	CR	BUCCA AT NANA GLEN				
20401016										2								DWR	CR	TALLAWUDJAH @GLENRGH				
20401017										2								DWR	CR	ORARA AT McPHERSONS				
20401018										1								DWR	CR	KARANGI @ KARANGI				
20401019										1								DWR	CR	POPERAPERAN @ R'LWAY				
20401020										1								DWR	CR	NANA CK @ FERRETT'S R				
20401021										1								DWR	CR	SHERWOOD @ KUNGALA				
20401022										1								DWR	CR	DUNDOO CK @ KUNGALA				
20401023										1								DWR	CR	KANGAROO @ BETTONG D				
20401024										1								DWR	CR	BLAXLANDS @ COUTTS X				
20401025										5								DWR	CR	KOREELAH CK @ KUMBEE				
20401026						18/12/2006	18/12/2006		1	1								DWR	CR	ACACIA CK @ LEGUME				
20401027										1								DWR	ADH	KOREELAH @ RIVERTREE				
20401028										1								DWR	ADH	MARYLAND @ OUTLET				
20401029										1								DWR	ADH	ACACIA @ MT LINDSAY				
20401030										1								DWR	ADH	RAZORBACK @ BOONOO B				
20401031										1								DWR	ADH	BOONOO B @ CLIFF CK				
20401032										1								DWR	ADH	BEAURY @ TOOLOOM JCT				
20401033										1								DWR	ADH	DUCK CK D/S YARD CK				
20401034										1								DWR	ADH	TABULAM RIV'T @ TABU				

Station	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T	W H O	Discont.	Org. Net	NAME
Number	Start	End	Start	End	First	Last	Last	of	of	a t t o u i u x	i m m n r p n m y	Date	Code	Class
					Starts	Starts	Tab	Tab	Gaug	n p p d b H d d g				

BASIN 205 - BELLINGER RIVER

205001	01/01/1925	01/01/1929			19/05/1925	19/05/1925	1	1	15			31/08/1928	DWR	DISC	2 (NEVER) @ GLENIFFER
\$205002	01/01/1801	01/01/2101	17/02/1953	16/10/2013	25/02/1860	23/02/2013	276	72	369	R			DWR	PI	BELLINGER @ THORA
205003	01/01/1948	01/01/1957	14/12/1948	01/03/1956	05/07/1948	01/11/1956	4	2	37			22/05/1958	DWR	DISC	2 (NEVER) SLINGSBY RD
205004	01/01/1959	01/01/1975	14/10/1971	20/03/1974	22/06/1959	30/10/1972	111	20	171			20/03/1974	DWR	DISC	KALANG R @ SCOTCHMAN
205005	01/01/1959	01/01/1967			18/06/1959	20/02/1966	14	14	67			31/12/1966	DWR	DISC	BELLINGER @ BOGGY CK
\$205006	01/01/1959	01/01/2007	02/01/1890	07/11/2009	23/09/1959	04/07/2006	246	63	344	R		30/08/2011	DWR	DISC	NAMBUCCA BOWRAVILLE
205007	01/01/1960	01/01/1984	04/02/1960	18/03/1983	04/02/1960	13/10/1979	160	12	170			18/03/1983	DWR	DISC	WOOLGOOLGA CREEK
205008	01/01/1970	01/01/1990	24/03/1970	31/01/1989	01/02/1970	12/04/1988	240	37	147			31/01/1989	DWR	DISC	TAYLORS ARM GRAYS XG
205009	01/01/1970	01/01/1986	14/05/1980	09/10/1985	02/06/1970	28/07/1984	165	20	121			08/10/1985	DWR	DISC	WARRELL CREEK
205010	01/01/1971	01/01/1983	14/10/1971	17/02/1982	01/10/1971	14/05/1980	140	8	96			17/02/1982	DWR	DISC	BELLINGER UPPR THORA
205011												02/10/1985	DWR	DISC	WARRELL CK @ BARRAGE
205012	01/01/1975	01/01/1986	20/05/1975	01/11/1985	20/05/1975	08/03/1985	264	37	87			01/11/1985	DWR	DISC	CORINDI UPPR CORINDI
205013	01/01/1974	01/01/1984	24/04/1975	15/04/1983	24/04/1975	22/03/1983	195	20	76			15/03/1983	DWR	DISC	KALANG R @ KOOROOWI
\$205014	01/01/1982	01/01/2008	24/06/1982	06/11/2009	24/06/1982	03/03/2006	148	25	134	R		27/02/2007	DWR	SMS	2 (NEVER) @ GLENNIFER
\$205015	01/01/1801	01/01/2101	01/06/2006	03/09/2013	31/05/2006	23/02/2013	13	13	54		T C		DWR	PI	NAMBUCCA U/S BOWRAVI
\$205016	01/01/1801	01/01/2101	31/07/2007	29/07/2013	31/07/2007	23/02/2013	9	9	44				DWR	PI	BELLINGER AT FOSTERS
205017	01/01/1801	01/01/2101	16/09/2011	17/10/2013	01/06/2006	23/02/2013	3	3	12				DWR	CR	TAYLORS @ UPP TAYLOR
205018	01/01/1801	01/01/2101	15/07/2011	31/07/2013	15/07/2011	23/02/2013	2	2	10				DWR	CR	SOUTH CR @ BOWRAVLL
205019	01/01/1801	01/01/2101	14/07/2011	14/10/2013	14/07/2011	24/05/2013	5	5	17				DWR	CR	NEVER NEVER @ OLD XG
205416			01/03/1894	07/11/2009									PWD		NAMBUCCA @MACKSVILLE
20500009			06/03/2008	27/04/2010								27/04/2010	DWR	DISC	NAMBUCCA AT USHERS
20500010			13/03/2008	19/12/2011								09/05/2012	DWR	DISC	NAMBUCCA AT DYERS LP
20500011			13/03/2008	19/07/2011									DWR	DISC	NAMBUCCA AT ARGENTS
20501001									2				DWR	CR	BELLINGER U/S BORES
20501002									2				DWR	CR	BELLINGER D/S BORES
20501003					31/05/2006	27/06/2007	4	4	5				DWR		MISSABOTTI @ WIA ORA
20501004					01/06/2006	01/06/2006	1	1	2			16/09/2011	DWR		TAYLORS @ UPP TAYLOR
20501005					05/09/2006	27/06/2007	2	2	4				DWR		HYDES CK @ KETHEL'S R
20501006					05/09/2006	26/06/2007	2	2	4				DWR		BONVILLE CK @ CROSSM
20501007									3			14/07/2011	DWR		NEVER NEVER @ OLD XG
20501008					06/09/2006	27/06/2007	2	2	4				DWR		KALANG @ SUNNY CNR R
20501009												27/04/2010	DWR	PJI	NAMBUCCA AT USHERS
20501010			13/03/2008	09/05/2012								09/05/2012	DWR	PJI	NAMBUCCA AT DYERS LP
20501011			13/03/2008	04/11/2013									DWR	PJI	NAMBUCCA AT ARGENTS

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BASIN 206 - MACLEAY RIVER

\$206001	01/01/1801	01/01/2101	02/06/1978	13/11/2013	01/05/1918	08/12/1993	107	16	367				DWR	PI	STYX @ JEOGLA
206002	01/01/1923	01/01/1930			01/12/1923	14/02/1928	4	4	27			30/10/1929	DWR	DISC	WOLLOMOMBIWOLLOMOMBI
206003	01/01/1923	01/01/1932			20/12/1923	11/09/1929	3	4	28			31/08/1931	DWR	DISC	CHANDLER @ CHANDLER
206004	01/01/1924	01/01/1986	07/01/1924	26/06/1985	07/01/1924	23/12/1981	100	23	267			26/06/1985	DWR	PRHG	GARA RIVER @ GARA
206005	01/01/1924	01/01/1957			10/10/1924	28/12/1954	10	10	114			30/04/1956	DWR	DISC	OAKY @ KEMPSEY ROAD
206006	01/01/1924	01/01/1932			23/10/1924	18/03/1930	3	4	41			31/08/1931	DWR	DISC	APSLEY R @ WATERLOO
206007	01/01/1925	01/01/1937			19/02/1925	15/04/1930	4	4	38			31/08/1931	DWR	DISC	OAKY R @ YOOROONAH
\$206008					01/01/1927	01/01/2007	132	20	249				DWR	SMS	COMMISSIONERS WATERS
\$206009	01/01/1801	01/01/2101	21/01/1954	14/11/2013	27/10/1927	23/02/2013	224	64	503				DWR	PI	TIA @ TIA
206010	01/01/1928	01/01/1986			01/09/1831	21/06/1984	101	44	338			17/06/1985	DWR	DISC	YARROWITCH RIVER
\$206011	01/01/1801	01/01/2101	15/01/1970	26/11/2013	01/01/1900	23/02/2013	220	67	409 R				DWR	PPS	MACLEAY @ TURNERS FT
206012									59			01/01/1961	DWR	DISC	GEORGES CK GEORGES C
206013	01/01/1948	01/01/1961			09/04/1948	09/04/1948	1	1	55			19/01/1961	DWR	DISC	OAKY R @ YOOROONAH 2
\$206014	01/01/1801	01/01/2101	23/06/1954	05/09/2013	22/02/1953	06/04/1998	219	48	381				DWR	PI	WOLLOMOMBI CONINSIDE
206015	01/01/1948	01/01/1986	01/07/1979	07/06/1985	07/05/1948	21/04/1982	105	14	266			07/06/1985	DWR	DISC	CHANDLER EURINGILLY
206016	01/01/1950	01/01/1975			26/09/1950	01/11/1972	24	24	144			31/03/1974	DWR	DISC	MACLEAY LOWER CREEK
206017	01/01/1952	01/01/1986	27/07/1954	12/11/1985	11/03/1952	07/07/1985	333	49	277			12/11/1985	DWR	DISC	SERPENTINE CREEK
\$206018	01/01/1801	01/01/2101	10/12/1952	14/11/2013	10/12/1952	03/03/2007	205	32	398	T			DWR	PPS	APSLEY APSLEY FALLS
206019	01/01/1953	01/01/1985	01/01/1893	23/05/2009	14/04/1953	01/02/1984	28	35	218			30/06/1984	DWR	DISC	MACLEAY @ BELLBROOK
206020	01/01/1956	01/01/1986	05/05/1970	14/06/1985	25/01/1956	27/02/1983	130	10	194			14/06/1985	DWR	PRHG	STYX R @ SERPENTINE
206021	01/01/1956	01/01/1984	05/05/1980	02/11/1983	11/07/1956	03/12/1981	110	15	184			02/11/1983	DWR	DISC	OAKY R ABOVE OAKY DAM
206022	01/01/1976	01/01/1987	13/10/1976	20/11/1986	01/01/1962	01/01/1985	110	2	34			20/11/1986	DWR	PRHG	MACLEAY R @ KEMPSEY
206023	01/01/1963	01/01/1986	21/01/1976	04/02/1990	18/04/1963	01/07/1981	100	25	191			25/09/1985	DWR	PRHG	GEORGES R @ BIGHILL
\$206024	01/01/1801	01/01/2101	26/08/1949	13/11/2013	27/06/1969	23/02/2013	219	31	259				DWR	PPS	MACLEAY D/S GEORGES
\$206025	01/01/1801	01/01/2101	29/12/1972	01/11/2013	29/12/1972	29/12/2009	141	22	193				DWR	PPS	SALISBURY WATERS
\$206026	01/01/1801	01/01/2101	19/09/1974	06/05/2013	01/09/1974	13/02/2008	170	23	199 R				DWR	PJX	SANDY CK @ NEWHOLME
\$206027	01/01/1801	01/01/2101	29/11/1974	04/10/2012	01/11/1974	27/07/1990	123	8	178 R				DWR	PJI	PIPECLAY @ KIRBY FAR
206028	01/01/1924	01/01/1930			24/10/1924	19/08/2005	104	7	28				DWR	CR	YARROWITCH@YARROBIND
206029	01/01/1929	01/01/1932			20/05/1929	24/03/1931	2	2	6			31/08/1931	DWR	DISC	WOLLOMOMBI POINTSFLD
206030	01/01/1918	01/01/1929			25/05/1918	01/07/1923	3	3	29			31/01/1928	DWR	DISC	TIA R @ RIVERGLADE
206031	01/01/1978	01/01/1986			11/10/1978	23/06/1982	2	3	16			09/01/1985	DWR	DISC	COMMISSIONERS WATERS
\$206032	01/01/1801	01/01/2101	02/11/1994	06/05/2013	11/10/1978	19/01/2013	15	15	97	T			DWR	PJI	DUMARESQ STEPHENS BG
206033	01/01/1801	01/01/2101	17/12/1981	24/09/2013	15/12/1981	26/11/2011	195	36	170				DWR	PJI	APSLEY APSLEY GORGE
\$206034	01/01/1801	01/01/2101	30/03/1984	01/11/2013	30/03/1984	26/11/2011	21	21	129				DWR	SMS	MIHI @ ABERMALA
\$206035	01/01/1801	01/01/2101	31/01/1997	26/04/2013	31/01/1997	25/11/2011	114	15	75 R	T			DWR	PJI	GARA @ WILLOW GLEN
\$206036	*		27/07/1999	19/08/2012									DWR	PJI	GARA @ MALPAS STORAG

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\$206037	01/01/1801	01/01/2101	17/11/1997	04/10/2012	17/11/1997	15/10/2008	101	2	38	R									DWR	PJI	DUMARESQ D/S DAM		
\$206038	01/01/1801	01/01/2101	02/12/1998	08/05/2013	25/11/1998	29/04/2012	9	9	47		T								DWR	PJI	URANDANGIE CREEK		
\$206039	01/01/1801	01/01/2101	13/01/1999	13/08/2012	13/01/1999	03/04/2012	107	8	46										DWR	PJI	GARA D/S MALPAS DAM		
206040																01/01/2002			DWR	UNCL	APSLEY EOS		
206041																01/01/2002			DWR	UNCL	COMMISSIONERS EOS		
\$206042	*		18/08/2008	26/04/2013															DWR	PJI	Puddledock Dam		
206043																			DWR	CR	CHANDLER @ WOLL		
206044																			DWR		DUMARSQ CK @ DAM		
\$206402			01/02/1863	23/05/2009															PWD	WQR	MACLEAY @KEMPSEY TB		
206458																22/06/2012			PWD	WQR	EUROKA		
206460																			PWD	WQR	KEMPSEY		
20601001										4									DWR	CR	APSLEY @ ANDYS		
20601002										3									DWR	CR	APSLEY @ SOMERSET		
20601003										3									DWR	CR	APSLEY U/S PUMPHOUSE		
20601004										4									DWR	CR	APSLEY IN WALCHA		
20601005										2									DWR	CR	BERGEN OP ZOOM		
20601006										2									DWR	CR	OHIO CK @ OHIO NTH		
20601007										3									DWR	CR	OHIO CK @ W/BOURNE		
20601008										4									DWR	CR	MAINEYS CK @ H/ WAY		
20601009										4									DWR	CR	APSLEY @ EUROPAMBELA		
20601010										4									DWR	CR	EMU CK @ W/BOURNE RD		
20601011										4									DWR	CR	BLACKFELLOWS GULLY		
20601012										3									DWR	CR	APSLEY @ ELSWICK		
20601013										4									DWR	CR	APSLEY @ WATERLOO		
20601014										4									DWR	CR	REEDY CK @ HIGHWAY		
20601015										2									DWR	CR	TREATMENT OUTLET		
20601016										3									DWR	CR	TILBUSTER PONDS		
20601017										3									DWR	CR	DUMARESQ @ U/S JUNCT		
20601018										2									DWR	CR	SEWAGE OUTLET		
20601019										2									DWR	CR	COMMISSIONERS WATERS		
20601020										1									DWR	CR	BURYING GROUND CK.		
20601021										4									DWR	CR	COMMISSIONER@WILANJA		
20601022										4									DWR	CR	COMMISSIONERS @ GARA		
20601023										3									DWR	CR	GARA @ BLUE HOLE		
20601024					30/09/2004	02/07/2008	7	7	17										DWR	ADH	Dondingalong		
20601025			15/09/2010	12/09/2013															DWR	GWP	HAT HEAD CK U/S		
20601026			15/09/2010	12/09/2013															DWR	GWP	HAT HEAD CK D/S		
20601027			15/09/2010	11/04/2013															DWR	GWP	HAT HEAD BRIDGE		

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BASIN 207 - HASTINGS RIVER

207001	01/01/1918	01/01/1932			05/05/1918	15/06/1930	2	4	17			31/08/1931	DWR	DISC	ELLENBOROUGH ELAANDS	
207002	01/01/1936	01/01/1962			24/09/1936	01/07/1960	8	8	74			30/09/1961	DWR	DISC	BIG CREEK @ ELAANDS	
207003	01/01/1936	01/01/1962			25/09/1936	23/01/1959	9	9	72			30/09/1961	DWR	DISC	ELLENBOROUGH GLENWRN	
\$207004	01/01/1801	01/01/2101	13/01/1888	23/10/2013	26/09/1945	23/02/2013	391	104	450	R				DWR	PPS	HASTING ELLENBOROUGH
207005	01/01/1955	01/01/1959			01/02/1955	11/03/1958	2	2	34			21/04/1961	DWR	DISC	HASTINGS R @ YARRAS	
\$207006	01/01/1801	01/01/2101	01/01/1971	25/11/2013	07/05/1955	23/02/2013	178	41	365					DWR	PPS	FORBES @ BIRDWOOD
207007	01/01/1964	01/01/1977	01/01/1971	28/02/1971	20/08/1964	25/02/1975	6	7	106			14/05/1976	DWR	DISC	ELLENBOROUGH RIVER	
\$207008	01/01/1801	01/01/2101	07/03/2007	18/07/2013	11/06/1969	02/03/2013	125	22	182					DWR	CR	STEWARTS @ STEWARTS
207009	01/01/1801	01/01/2101	09/08/1979	18/07/2013	01/05/1970	03/03/2013	203	38	195					DWR	CR	CAMDEN HAVEN KENDALL
\$207010	01/01/1801	01/01/2101	23/06/1985	16/07/2013	11/05/1972	25/05/2013	122	36	197	T				DWR	PRF	PAPPINBARRA CREEK
207011	01/01/1972	01/01/1986	01/07/1980	18/06/1985	01/05/1972	22/07/1981	200	11	118					DWR	PRHG	THONE R @ BAGNOO
207012	01/01/1972	01/01/1990	12/12/1972	03/02/1989	06/11/1972	29/11/1988	260	36	117			03/02/1989	DWR	PRHG	DOYLES DOYLES RIV RD	
\$207013	01/01/1801	01/01/2101	26/03/1975	17/07/2013	01/03/1975	23/02/2013	203	36	233					DWR	PI	ELLENBRGH D/S BUNNOO
\$207014	01/01/1801	01/01/2101	11/05/1984	22/10/2013	11/05/1984	23/02/2013	150	33	158					DWR	SMS	WILSON @ AVENAL
\$207015	01/01/1801	01/01/2101	31/05/1984	25/11/2013	31/05/1984	22/05/2009	12	12	139					DWR	SMS	HASTINGS @ MT SEAVIE
207016					16/02/2000	03/05/2007	6	6	34					DWR	CR	CEDAR SCRUB NR HERON
\$207017	01/01/1801	01/01/2101	15/12/2010	26/11/2013	03/08/2006	23/02/2013	3	3	23					DWR	CR	Mortons @ Mortons Ck
\$207018	01/01/1801	01/01/2101	15/07/2011	27/11/2013	15/07/2011	15/07/2011	1	1	13					DWR	CR	THONE R @ DEEP CK RD
207400														PWD		HASTINGS @BAINS BRDG
207401			01/03/1894	23/05/2009										PWD		HASTINGS @WAUCHOPE
207600					01/07/2005	01/07/2005	7	1	4					DWR		Hastings R @ Koree
20701013					16/07/2002	25/07/2007	4	4	12					DWR	ADH	Thone @ Byabarra

BASIN 208 - MANNING RIVER

208001	01/01/1801	01/01/2101	31/01/1944	24/05/2012	31/01/1944	12/05/1997	135	5	242						DWR	PBM	BARRINGTON BOBS XING
208002	01/01/1954	01/01/1982	08/04/1954	15/09/1981	19/01/1954	20/03/1978	105	2	178	R		04/05/1982	DWR	DISC			MANNING R @ TOMALLA
\$208003	01/01/1801	01/01/2101	31/05/1945	16/10/2013	28/05/1945	23/02/2013	280	62	364	R	B				DWR	PPS	GLOUCESTER DOON AYRE
\$208004	01/01/1801	01/01/2101	31/05/1945	30/10/2013	31/05/1945	25/04/2008	167	28	378						DWR	PPS	MANNING @ KILLAWARRA
\$208005	01/01/1801	01/01/2101	30/06/1945	30/10/2013	07/06/1945	15/06/2011	185	54	383	R	T	B			DWR	PPS	NOWENDOC ROCKS XING
\$208006	01/01/1801	01/01/2101	07/11/1945	28/10/2013	07/11/1945	04/06/2008	156	24	356						DWR	PPS	BARRINGTON FORBESDALE
\$208007	01/01/1801	01/01/2101	15/07/1946	29/10/2013	05/07/1946	05/11/2006	188	36	352						DWR	PI	NOWENDOC @ NOWENDOC
208008	01/01/1801	01/01/2101	31/05/1948	28/10/2013	31/05/1948	01/04/2009	175	27	286						DWR	PJX	GLOUCESTER FORBESDAL
\$208009	01/01/1801	01/01/2101	16/02/1949	17/10/2013	16/02/1949	02/02/2012	144	57	362	R	B				DWR	PJI	BARNARD @ BARRY
208010									47			12/02/1962	DWR	DISC			BARNARD R @ KAUTHI
\$208011	01/01/1801	01/01/2101	01/08/1962	29/10/2013	01/08/1962	04/03/2013	205	42	317	R					DWR	PPS	BARNARD @ MACKAY

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208012	01/01/1964	01/01/1986	28/04/1971	20/06/1985	28/04/1971	08/11/1984	210	23	194			20/06/1985	DWR	DISC	MANNING R @ WOKO
208013	01/01/1969	01/01/1986	04/03/1980	30/10/1985	01/06/1969	04/05/1985	120	6	133			30/10/1985	DWR	DISC	ROWLEYS RIVER @ N01
208014	01/01/1969	01/01/1986	04/03/1980	30/10/1985	01/06/1974	07/11/1984	113	10	139			30/10/1985	DWR	DISC	COOPLACURRIPA RIVER
\$208015	01/01/1801	01/01/2101	24/06/1969	30/10/2013	23/06/1969	02/03/2013	155	31	240				DWR	PI	LANDSDOWNE @ LANDSDN
208016	01/01/1969	01/01/1986	08/08/1979	29/10/1985	01/04/1979	10/07/1985	160	16	145			29/10/1985	DWR	DISC	BOWMAN R @ WAPRA
208017	01/01/1969	01/01/1973							21			05/05/1972	DWR	DISC	DINGO CK @ DINGO CK
208018	01/01/1971	01/01/1986	30/07/1971	29/10/1985	30/07/1971	24/02/1985	130	14	122			29/10/1985	DWR	DISC	AVON R BELOW DAMSITE
\$208019	01/01/1971	01/01/2012	13/08/1971	25/03/2011	13/08/1971	26/02/2004	166	14	149			25/03/2011	DWR	PJI	DINGO CK @ MUNYAREE
\$208020	01/01/1801	01/01/2101	04/04/2003	15/11/2013	05/03/2003	23/02/2013	10	10	46				DWR	CF	GLOUCESTER GLOUCESTR
208021												01/02/1953	DWR	DISC	MANNING R CAMPBELLS1
208022	01/01/1979	01/01/1993	29/11/1979	20/01/1992	01/11/1979	12/09/1991	151	20	145			20/01/1992	DWR	DISC	BARNARD @ THE PIMPLE
208023												31/12/1949	DWR	DISC	MANNING @ THE FALLS
\$208024	01/01/1801	01/01/2101	01/04/1982	17/10/2013	30/03/1982	01/03/2013	165	34	201 R				DWR	PJI	BARNARD D/S BACK RV
208025									1			31/05/2000	DWR	DISC	GLOUCESTER @ BERRICO
208026	01/01/1801	01/01/2101	04/05/1984	29/10/2013	04/05/1984	02/02/2012	115	4	103				DWR	SMS	MYALL @ JACKY BARKER
\$208027	01/01/1801	01/01/2101	01/10/1987	18/10/2013	30/09/1987	25/03/2001	105	2	68		B		DWR	PJI	BARNARD MEASURE WEIR
\$208028	01/01/1801	01/01/2101	07/09/2004	19/11/2013	06/09/2004	09/02/2009	5	2	5		T C		DWR	CF	AVON D/S WAUKIVORY
\$208029	01/01/1801	01/01/2101	25/05/2006	29/10/2013	25/05/2006	23/02/2013	20	9	29				DWR	PJI	MANNING @ LESLIES BR
\$208030			10/07/2008	28/10/2013									DWR	CF	GLOUCESTER RV @ BELL
\$208031			03/09/2010	28/10/2013	23/08/2010	23/08/2010	1	1	14				DWR	SFH	BARRINGTON@RELFS RD
\$208032			03/09/2010	04/09/2013	03/09/2010	03/09/2010	10	1	14				DWR	CR	DINGO CK @ BELBOURIE
208400			13/07/1866	23/05/2009									PWD	WQR	WINGHAM
208410			08/02/1929	23/05/2009								30/06/2013	PWD	WQR	TAREE
208420													PWD	WQR	MANNING@TAREEWEST
20801001			13/04/2010	25/09/2012							T C	25/09/2012	DWR	PJI	MANNING RV @ BEERS

BASIN 209 - KARUAH RIVER

209001	01/01/1945	01/01/1982	29/06/1945	01/12/1980	08/03/1945	01/04/1963	3	3	183			31/07/1981	DWR	DISC	KARUAH R @ MONKERAI
\$209002	01/01/1801	01/01/2101	18/12/1967	22/10/2013	18/12/1967	17/11/2010	153	23	180 R		T C		DWR	PJI	MAMMY J RV@PIKES XIN
\$209003	01/01/1801	01/01/2101	26/10/1968	05/11/2013	26/10/1968	02/03/2013	218	45	237				DWR	PPS	KARUAH R @ BOORAL
209004	01/01/1968	01/01/1981	04/07/1973	02/06/1974	30/10/1972	29/11/1973	125	6	67			21/05/1981	DWR	DISC	MAMMY JNS STROUD RD
209005	01/01/1969	01/01/1979							61			30/09/1978	DWR	DISC	WALLAMBA NEAR NABIAC
209006	01/01/1801	01/01/2101	20/04/1969	30/10/2013	20/04/1969	30/06/2005	107	11	162 R		T C		DWR	PI	WANG WAUK @ WILLINA
209007	01/01/1969	01/01/1980							60			10/10/1979	DWR	DISC	MYALL R @ MARKWELL
209008									26			17/09/1980	DWR	DISC	KARUAH R @ STROUD RD
209010													FOR		BARRATTA CREEK
209011			01/08/1975	18/10/1976							R		FOR		CRABAPPLE CREEK

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209012												FOR	CORKWOOD CREEK
209013												FOR	JACKWOOD CREEK
209014	01/01/1975	01/01/1981	13/02/1975	10/09/1980	03/03/1977	03/05/1978	125	3		R		FOR	SASSAFRAS CREEK
209015												FOR	KOKATA CREEK
209016												FOR	BOLLYGUM CREEK
209017	01/01/1975	01/01/1981	23/01/1975	11/08/1980	01/03/1976	20/03/1978	135	4		R		FOR	COACHWOOD CREEK
\$209018	01/01/1801	01/01/2101	18/12/1979	22/10/2013	27/11/1979	02/02/2012	122	11	172			DWR PI	KARUAH R @ DAM SITE

BASIN 210 - HUNTER RIVER

\$210001	01/01/1801	01/01/2101	01/01/1800	01/01/2100	31/10/1891	03/03/2013	346	151	1092			DWR SFS	HUNTER @ SINGLETON
\$210002	01/01/1801	01/01/2101	01/01/1913	18/09/2013	01/01/1907	01/08/2011	369	104	731	T C		DWR SFP	HUNTER @ MUSWELL BRG
210003	01/01/1907	01/01/1922									30/06/1924	DWR DISC	GOULBURN R ROSEMOUNT
\$210004	01/01/1801	01/01/2101	09/02/1908	22/10/2013	09/02/1908	17/06/2011	130	87	472	T C		DWR PJI	WOLLOMBI BR@WARKWRTH
210005	01/01/1913	01/01/1961	31/12/1912	31/12/1960	01/11/1911	18/08/1964	53	48	241		27/11/1987	DWR DISC	HUNTER @ MOONAN FLAT
210006	01/01/1801	01/01/2101	31/12/1912	26/08/2013	26/10/1912	02/03/2013	290	91	425	R T C		DWR PI	GOULBURN R @ COGGAN
210007	01/01/1912	01/01/1986							5		01/07/1985	DWR DISC	CHICHESTER DAM
210008	01/01/1918	01/01/1963	01/01/1949	31/12/1962	01/05/1923	08/05/1963	55	46	233		31/08/1963	DWR DISC	MUSWELLBROOK WEIR
210009	01/01/1919	01/01/1921							17		30/06/1924	DWR DISC	HUNTER @ LUSKINTYRE
\$210010	01/01/1801	01/01/2101	01/12/1927	23/10/2013	01/12/1927	18/02/2009	159	49	352	R		DWR SFP	WILLIAMS RV@GLEN MAR
\$210011	01/01/1801	01/01/2101	19/02/1931	04/09/2013	01/02/1931	23/02/2013	151	125	483			DWR PJI	WILLIAMS @ TILLEGRA
210012	01/01/1934	01/01/1953									30/09/1952	DWR DISC	PAGES R @ CRONINS
210013	01/01/1801	01/01/2101	04/04/2002	02/05/2013	01/01/1990	15/09/2011	110	3	15		02/05/2013	DWR DISC	STEWARTS CLOVERDALE
\$210014	01/01/1801	01/01/2101	06/08/1934	04/11/2013	27/07/1934	14/05/2007	150	38	304	R T		DWR PI	ROUCHEL BROOK
\$210015	01/01/1801	01/01/2101	01/04/1940	19/09/2013	01/01/1940	01/07/2011	215	65	595	T C		DWR SFP	HUNTER D/S GLENBAWN
\$210016	01/01/1801	01/01/2101	13/03/1940	27/08/2013	16/02/1940	01/07/2013	506	149	446	T C		DWR PJI	GOULBURN R KERRABEE
\$210017	01/01/1801	01/01/2101	17/06/1940	04/12/2013	01/01/1940	08/08/1998	111	33	302			DWR SMS	MOONAN BROOK
\$210018	01/01/1801	01/01/2101	13/06/1940	04/12/2013	01/01/1900	23/02/2007	151	44	394	R		DWR PI	HUNTER MOONAN DAM ST
210019	01/01/1940	01/01/1979	30/06/1940	30/06/1978	19/06/1940	05/03/1977	59	55	230		30/06/1978	DWR DISC	OMADALE BROOK @ ROMA
\$210021	01/01/1801	01/01/2101	30/11/1940	28/08/2013	30/11/1940	06/06/2013	171	33	313	T C		DWR SFS	PATERSON R D/S LOSTO
\$210022	01/01/1801	01/01/2101	30/12/1899	23/10/2013	11/12/1940	08/06/2007	260	65	459	R		DWR PI	ALLYN RIVER @ HALTON
210023	01/01/1944	01/01/1964							96		02/04/1963	DWR DISC	GLENNIES THE ROCKS 1
210024											30/06/1949	DWR DISC	WOLLOMBI @ FORDWICH
210025	01/01/1946	01/01/1974							173		30/04/1976	DWR DISC	STEWARTS B WINDEMERE
210026	01/01/1948	01/01/1980							170		28/09/1979	DWR DISC	CONGEWAI @ EGLINFORD
210027											23/05/1963	DWR DISC	CONGEWAI CK DAM SITE
\$210028	01/01/1801	01/01/2101	25/07/1949	22/10/2013	01/01/1949	21/05/2013	280	88	425	T C		DWR SPS	WOLLOMBI BRK @ BULGA
210029	01/01/1950	01/01/1980	30/09/1950	31/08/1979	01/06/1950	06/04/1978	63	54	198		31/08/1979	DWR DISC	ROUCHEL UPPR ROUCHEL

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.		R A W C T		W H O		Discont.	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i m m n r p n m y n p p d b h d d g	x i u x	Date		Code	Class	
210030	01/01/1956	01/01/1959	11/04/1956	30/09/1958	11/04/1956	10/04/1959	7	7	39				30/09/1975	DWR	DISC	PAGES RIVER @ GUNDY
\$210031	01/01/1801	01/01/2101	23/11/1954	08/11/2013	01/01/1954	10/07/2013	402	108	509	T	C			DWR	PPS	GOULBURN SANDY HOLLW
210032	01/01/1954	01/01/1959							50				31/05/1958	DWR	DISC	DART BROOK @ DALMORE
210033													31/05/1958	DWR	DISC	KNGDN PNDS CAMYR ALN
210034	01/01/1954	01/01/1980	31/08/1954	31/03/1979	01/01/1954	01/01/1979	102	36	170				31/03/1979	DWR	DISC	WIDDEN BRK @ WIDDEN
210035													31/03/1955	DWR	DISC	GLENDON BR MITCHELLS
210036	01/01/1954	01/01/1964							67				31/03/1963	DWR	DISC	WALLIS CK @ MULBRING
210037	01/01/1954	01/01/1970							145				23/09/1976	DWR	DISC	KRUI R @ NEVERFAIL
210038													22/09/1955	DWR	DISC	HUNTER R @ THE GLEN
\$210039	01/01/1801	01/01/2101	02/08/1999	05/11/2013	02/08/1999	15/06/2011	108	4	67	T	C			DWR	PJI	HUNTER R @ BELLTREES
\$210040	01/01/1801	01/01/2101	14/06/1955	26/08/2013	17/05/1955	14/06/2013	167	44	271	T	C			DWR	PI	WYBONG CK @ WYBONG
210041	01/01/1955	01/01/1976							156				31/12/1978	DWR	DISC	PATERSON @ MT RIVERS
210042	01/01/1956	01/01/2000	22/03/1956	23/11/1999	01/02/1956	03/02/1989	412	68	188				01/03/2000	DWR	DISC	FOY BRK @ RAVENSWRTH
210043	01/01/1956	01/01/1982							132				20/10/1981	DWR	DISC	SADDLERS CK BOWFIELD
\$210044	01/01/1801	01/01/2101	26/01/1956	21/10/2013	25/01/1956	02/03/2013	305	77	317	T	C			DWR	SFS	MIDDLE FALBROOK
210045	01/01/1956	01/01/1982	12/12/1968	23/06/1981	13/01/1968	09/02/1977	130	7	85				03/09/1991	DWR	DISC	SALTWATER @ PLASHETT
210046	01/01/1956	01/01/1983	08/03/1956	31/08/1982	08/03/1956	17/05/1980	37	33	156				31/08/1982	DWR	DISC	GOULBURN R @ ULAN
210047	01/01/1958	01/01/1977			25/01/1908	25/01/1908	1	1	453					PWD	SFH	HUNTER R @ MAITLAND
210048	01/01/1940	01/01/2000	01/03/1940	08/11/1999	01/01/1940	05/08/1998	283	77	356				08/11/1999	DWR	DISC	WOLLOMBI BR@PAYNES
210049	01/01/1958	01/01/1969							75				10/12/1968	DWR	DISC	YORK CK RAVENSWORTH
210050	01/01/1958	01/01/1969							86				23/11/1968	DWR	DISC	SWAMP CK RAVENSWORTH
210051	01/01/1958	01/01/1974	31/05/1973	04/04/1974					222				13/07/1979	DWR	DISC	CONGEWAI HANGING RCK
\$210052	01/01/1801	01/01/2101	13/08/1952	04/11/2013	02/07/1958	23/02/2003	156	37	311					DWR	PPS	PAGES R @ GUNDY REC
210053	01/01/1958	01/01/1977	15/11/1972	28/05/1976	15/11/1972	22/04/1975	120	4	125				25/01/1977	DWR	DISC	SWAMP @ KURRI KURRI
210054	01/01/1959	01/01/1979	08/07/1968	05/12/1978	08/07/1968	10/07/1978	315	41	171				14/12/1978	DWR	DISC	WALLIS RICHMOND VALE
\$210055	01/01/1801	01/01/2101	24/02/1955	08/11/2013	19/11/1918	30/10/2013	217	92	461	R	T	C		DWR	SFS	HUNTER RIVER DENMAN
\$210056	01/01/1801	01/01/2101	19/05/1998	04/12/2013	17/03/1959	23/02/2013	122	47	277	T	C			DWR	SFP	HUNTER R @ ABERDEEN
210057	01/01/1959	01/01/1964							41				19/01/1964	DWR	DISC	ISIS RIVER @ WAVERLY
210058	01/01/1959	01/01/1972							90				31/03/1974	DWR	DISC	DART BRK ABERDEEN 1
\$210059	01/01/1966	01/01/2002	01/11/1973	28/06/2001	01/11/1973	01/03/1994	160	14	182		C		18/11/2002	DWR	DISC	BAYSWATER D/S LIDDEL
210060	01/01/1960	01/01/1993	13/10/1980	02/01/1992	01/02/1960	10/10/1990	274	54	178				16/01/1992	DWR	DISC	BAERAMI CK @ BAERAMI
\$210061	01/01/1801	01/01/2101	20/05/1960	23/07/2013	11/05/1960	01/03/2013	251	79	251	R				DWR	PJI	PAGES R @ BLANDFORD
210062	01/01/1969	01/01/1980							102				01/04/1979	DWR	DISC	BYLONG R BYLONG NO.2
210063	01/01/1963	01/01/1979	25/10/1963	27/09/1978	25/10/1963	14/02/1975	105	2	125				27/09/1978	DWR	DISC	FIRST CK POKOLBIN 1
\$210064	01/01/1801	01/01/2101	04/12/1968	16/08/2013	01/06/1960	03/03/2013	431	81	397	T	C			DWR	SFP	HUNTER R @ GRETA
210065	01/01/1962	01/01/1983							115				30/06/1982	DWR	DISC	HALLS CK @ GUNGAL
\$210066	01/01/1801	01/01/2101	22/01/1963	15/08/2013	01/01/1963	29/01/2013	190	31	188	T	C			DWR	PJI	MERRIWA U/S VALLANCE
210067	01/01/1963	01/01/1979	11/12/1963	31/07/1978	11/12/1963	11/12/1963	105	1	91				01/08/1978	DWR	DISC	MIDDLE CK POKOLBIN 2

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	n	p	p	d	b	H	d	d	g	Code		Class		
210068	01/01/1801	01/01/2101	11/11/1963	22/10/2013	11/11/1963	30/04/1983	115	4	134	R									DWR	PJI	POKOLBIN CK@POKOLBIN		
210069	01/01/1963	01/01/1994	11/11/1963	25/06/1993	11/11/1963	04/09/1984	115	3	102									25/06/1993	DWR	DISC	MUGGYRANG CK@POKOLBN		
\$210070	01/01/1801	01/01/2101	22/09/2011	04/11/2013	14/10/1964	01/09/2011		3	3	17									DWR	SFH	ISIS @ LOWER TIMOR		
210071	01/01/1965	01/01/1979	12/11/1970	06/07/1978	20/10/1970	20/09/1977	145	10	90									06/07/1978	DWR	DISC	GLENDON BROOK		
210072	01/01/1965	01/01/1970								59								01/04/1969	DWR	DISC	ALLYN @ UPPER ALLYN		
210073	01/01/1965	01/01/1969								45								13/03/1975	DWR	DISC	PATERSON CARRABOLLA		
210074	01/01/1968	01/01/1984	25/09/1972	01/01/1983	10/07/1967	14/09/1981	120	4	71	R								31/12/1982	DWR	DISC	MCMAHONS @ LIDDELL 5		
210075	01/01/1968	01/01/1972								26								14/07/1971	DWR	DISC	BAYSWATER U/SLIDDELL		
\$210076	01/01/1801	01/01/2101	16/08/1968	21/10/2013	15/08/1968	31/10/1995	150	22	91	R	T	C							DWR	PJI	ANTIENE CK @ LIDDELL		
210077	01/01/1970	01/01/1984	31/12/1972	01/01/1983	31/12/1972	19/06/1974	105	2										31/12/1982	DWR	DISC	MAIDSWATER LIDDELL 4		
210078	01/01/1968	01/01/1993	26/09/1972	03/01/1992	20/09/1968	22/01/1991	202	21	77									03/01/1992	DWR	DISC	TINKERS CK LIDDELL 1		
\$210079	01/01/1801	01/01/2101	23/05/1928	28/10/2013	01/01/1927	01/11/2010	391	71	350		T	C							DWR	SFP	PATERSON R@GOSTWYCK		
210080	01/01/1801	01/01/2101	29/04/1969	21/10/2013	29/04/1969	01/01/2007	105	19	119										DWR	PI	WEST BRK U/S GLENDON		
210081	01/01/1969	01/01/1993	16/09/1980	02/01/1992	29/06/1976	14/12/1991	193	24	134									02/01/1992	DWR	DISC	PAGES CK U/S HUNTER		
210082	01/01/1969	01/01/1998	29/04/1980	10/09/1997	15/12/1977	12/02/1992	127	14	85									10/09/1997	DWR	DISC	WOLLAR U/S GLBRN RIV		
\$210083	01/01/1801	01/01/2101	01/01/1900	05/11/2013	05/09/1969	02/12/2010	321	42	244		T	C							DWR	SFP	HUNTER R @ LIDDELL		
\$210084	01/01/1801	01/01/2101	05/11/1969	15/10/2013	05/11/1969	25/11/2011	340	68	239		T	C							DWR	SFS	GLENNIES THE ROCKS 2		
210085	01/01/1970	01/01/1978								61								02/12/1977	DWR	DISC	ALLYN R @ TREVALLYN		
210086	01/01/1970	01/01/1990	01/11/1987	01/01/1989	06/04/1986	06/07/1988	131	13	105									01/01/1989	DWR	DISC	MUNMURRA BK TOMIMBIL		
210087	01/01/1970	01/01/1993	31/12/1986	01/01/1992	03/08/1986	02/09/1990	133	13	101									01/01/1992	DWR	DISC	DOYLES CK @ DOYLES C		
\$210088	01/01/1970	01/01/2009	09/12/1970	20/02/2008	18/11/1970	27/06/2002	295	36	89		T	C						08/09/2010	DWR	PJI	DART BK @ ABERDEEN 2		
\$210089	01/01/1801	01/01/2101	29/03/1972	22/10/2013	01/01/1972	21/02/2005	63	5	48		T	C							DWR	PI	BLACK CK @ ROTHBURY		
210090	01/01/1977	01/01/1983								51								31/08/1982	DWR	DISC	MARTINDALE CREEK		
\$210091	01/01/1801	01/01/2101	15/09/1980	15/10/2013	11/04/1972	20/07/2013	283	53	142										DWR	CR	MERRIWA R @ MERRIWA		
210092	01/01/1972	01/01/1990	21/05/1975	31/12/1988	12/04/1972	27/11/1988	221	31	98									31/12/1988	DWR	DISC	KRUI R @ COLLAROY		
\$210093	01/01/1801	01/01/2101	02/05/1972	02/12/2013	01/01/1972	26/03/2013	165	52	125	R									DWR	SFT	KINGDON PONDS CREEK		
210094																		31/03/1977	DWR	DISC	PAGES @ BRUSHY DAMST		
210095	01/01/1975	01/01/1998	30/10/1975	10/11/1997	29/10/1975	21/08/1979	110	3	42	R								10/11/1997	DWR	DISC	BUCKS CREEK @ VACY		
210096																		01/01/1930	DWR	DISC	HUNTER R @ DENMAN		
\$210097	*		01/07/1974	06/05/2010							R							06/05/2010	DWR	PRH	GLENBAWN DAM		
210098																		31/12/1926	DWR	DISC	GLENNIES CAMBERWELL		
210099																		26/06/2000	DWR	DISC	GLENDON BK HAMILTONS		
210100																		21/08/1975	DWR	DISC	CHICHESTER DUSODIE B		
210101																		30/08/1973	DWR	DISC	POKOLBIN @ POKOLBIN		
\$210102	*		01/07/1974	18/07/2013							R								DWR	PRH	LOSTOCK DAM		
210104	01/01/1965	01/01/1982	31/03/1965	31/12/1981	19/02/1965	18/01/1981	60	11	91									01/01/1983	DWR	DISC	WILLIAMS @ SALISBURY		
210105																		03/06/1971	DWR	DISC	HUNTER @ BOWMANS BDG		
210106																		01/12/1963	DWR	DISC	WOLLOMBI BLAIR WLMBI		

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	n	p	p	d	b	H	d	d	g	Code		Class		
210107																			DWR	DISC	PAGES RIVER @ GUNDY		
210108																			10/08/1973	DWR	DISC	MIDDLE NEAR POKOLBIN	
210109	01/01/1979	01/01/1983	24/01/1979	04/08/1982	21/01/1979	06/05/1981	120	5	24										04/08/1982	DWR	DISC	CARROW U/S FAL BROOK	
\$210110	01/01/1801	01/01/2101	19/01/1994	14/08/2013	28/10/1993	20/02/2006	110	2	11	T	C									DWR	PJI	BAYSWATER @ LIDDELL	
210111																			28/02/1919	DWR	DISC	CHICHESTER FERNDLE 2	
210112																			31/05/1929	DWR	DISC	HUNTER @ ASH ISLAND	
210113	01/01/1980	01/01/1986																	07/01/1986	DWR	DISC	FOY BRK @ UPR HEBDEN	
\$210114	01/01/1801	01/01/2101	04/02/1981	14/10/2013	04/02/1981	18/12/2009	225	27	86	T	C									DWR	PJI	CARROW BROOK	
210115	01/01/1981	01/01/1986																	07/01/1986	DWR	DISC	FOY BROOK INV SITE	
210116	01/01/1981	01/01/1986																	07/01/1986	DWR	DISC	FOY BROOK INV SITEDS	
\$210117	*		01/01/1983	21/10/2013								R								DWR	PBM	GLENNIES CREEK DAM	
\$210118	01/01/1801	01/01/2101	03/03/2004	05/11/2013	04/03/2004	29/11/2008	106	2	48											DWR	SFS	ISIS STICK-ME-UP BDG	
210119																			09/10/1986	DWR	DISC	PAGES CAMERERONS DS1	
210120	01/01/1984	01/01/1999	13/06/1984	19/02/1998	13/06/1984	13/06/1984	1	1	19										19/02/1998	DWR	DISC	APPLE TREE DURAL GAP	
210121	01/01/1988	01/01/1993	31/03/1988	03/01/1992	01/01/1988	01/01/1988	1	1	14										11/11/1991	DWR	DISC	FOYBROOK @ NEWDEL	
210122																			11/01/1993	DWR	DISC	GLENNIES U/S HUNTER	
\$210123	01/01/1989	01/01/2007	26/10/1989	03/03/2006	17/08/1989	07/08/1998	105	7	18	T	C								03/03/2006	DWR	DISC	FALBROOK US GLENNIES	
\$210124	01/01/1801	01/01/2101	09/03/1994	03/12/2013	09/03/1994	13/07/2012	10	8	32	R										DWR	PJI	DART BR @ YARRAND BR	
\$210125	01/01/1801	01/01/2101	11/12/1995	15/02/2009	13/04/1994	24/11/2013	132	12	73	T	C									DWR	PJI	U/S BAYSWATER	
\$210126	01/01/1801	01/01/2101	28/10/1993	04/12/2013	28/10/1993	24/11/2013	140	13	72	R	T	C	P							DWR	PJI	U/S FOY BROOK	
\$210127	01/01/1801	01/01/2101	11/12/1995	04/09/2013	24/06/1993	03/03/2013	127	22	104	T	C									DWR	SPS	HUNTER RV U/S GLENNI	
\$210128	01/01/1801	01/01/2101	26/07/1993	15/10/2013	26/07/1993	17/05/2013	17	17	52	T	C									DWR	SFS	HUNTER RV@MASON DIEU	
\$210129	01/01/1801	01/01/2101	08/02/1993	04/09/2013	08/02/1993	29/01/2013	12	12	65	T	C									DWR	SPS	HUNTER U/S SINGLETON	
\$210130	01/01/1801	01/01/2101	27/10/1993	04/11/2013	27/10/1993	27/10/1993	2	1	29	T	C									DWR	PJI	D/S BOWMANS	
\$210131	01/01/1993	01/01/2004	28/07/1993	06/11/2003	28/07/1993	22/03/2000	105	2	16	T	C								06/11/2003	DWR	DISC	BLACK CK D/S ANVIL C	
\$210132	01/01/1993	01/01/1997	29/07/1993	13/05/1996	29/07/1993	29/07/1993	100	1	5	T	C								13/05/1996	DWR	DISC	GLENDONBROOK D/S WBR	
\$210133	01/01/1994	01/01/1998	02/03/1994	28/10/1997	02/03/1994	02/03/1994	1	1	4	T	C								04/06/1998	DWR	DISC	BAYSWATER U/S HUNTER	
\$210134	01/01/1801	01/01/2101	28/10/1993	05/09/2013	05/10/1993	28/11/2011	134	13	71	T	C									DWR	SPS	HUNTER R@LONG POINT	
\$210135	01/01/1801	01/01/2101	16/11/1995	22/10/2013	21/09/1995	03/03/2012	115	14	56											DWR	PI	WOLLOMBI BR D/S BRIC	
\$210136	01/01/1801	01/01/2101	31/07/1997	05/09/2013	31/07/1997	24/02/2013	5	4	41											DWR	PJI	CHICHESTER RV @ CHIC	
210137	01/01/1801	01/01/2101	15/09/1997	28/08/2013	15/09/1997	20/02/2012	7	7	40											DWR	PJI	WANGAT @ WANGAT	
210138	01/01/2003	01/01/2004	04/04/2002	27/11/2003	04/04/2002	04/04/2002	105	1	5										27/11/2003	DWR	DISC	OAKY CK @ WEIR	
210139	01/01/2003	01/01/2004	04/04/2002	21/11/2003	18/04/2002	18/04/2002	105	1	6										21/11/2003	DWR	DISC	HUNTER @ ALDRIDGES	
210140	01/01/2002	01/01/2004	04/04/2002	18/09/2003	04/04/2002	04/04/2002	105	1	8										18/09/2003	DWR	DISC	PAGES @ GLEN VALE	
\$210142	01/01/1801	01/01/2101	03/03/2004	05/11/2013	05/03/2004	14/07/2010	118	6	43											DWR	PJI	PAGES RV U/S KEWELL	
\$210143	01/01/1801	01/01/2101	31/05/2006	23/10/2013	31/05/2006	02/03/2013	4	3	31											DWR	PJI	ALLYN @ FLYINGFOX LN	
210144	01/01/1801	01/01/2101	13/05/2008	28/08/2013	13/05/2008	23/02/2013	2	2	16	T										DWR	PJI	WILLIAMS AT UNDER	
210145																				DWR	UNCL	Liddiv	

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b h d d g	Discont. Date	Org. Net Code Class	NAME
\$210146			19/08/2010	27/08/2013	17/08/2010	29/01/2013	3	3	10			DWR CR	HALLS CK U/S GIANTS
\$210147	01/01/1801	01/01/2101	06/08/2010	26/08/2013	04/08/2010	29/01/2013	3	3	9			DWR PI	WYBONG@MANOBALAI
210148												DWR	LAKE CHICHESTER
210149												PWD WQR	FULLERTON COVE BUOY
210199											01/05/1986	DWR DISC	BLANDFORD PLUVI
210406			08/06/2007	02/04/2009								PWD XFR	PATERSON P'SON RLY B
210409			09/06/2007	02/04/2009								PWD WQR	PATERSON @DUNMORE BR
210410			27/10/1985	16/02/2009								PWD WQR	PATERSON @HINTON BR
210413												PWD	HUNTER U/S GREEN ROX
210414												PWD	HUNTER D/S GREEN ROX
210417											31/12/1927	PWD	WILLIAMS CLARENCETWN
210420												PWD	HUNTER HEXHAM FERRY
210426			20/05/1998	02/04/2009								PWD XFR	HUNTER OAKHAMPTON RY
210432												PWD WQR	GREEN ROCKS
210441												PWD XFR	HUNTER R AT BOLWARRA
210442												PWD XFR	HUNTER U/S BOLWARRA
210448			22/07/1998	05/06/2008								PWD WQS	HEXHAM BRIDGE
210452			19/06/1930	02/04/2009								PWD WQR	RAYMOND TERRACE
210455												PWD WQR	McKIMMS CORNER
\$210903	01/01/1801	01/01/2101	15/06/1950	16/10/2013	27/04/1995	02/03/2013	124	10	56			DWR PI	WILLIAMS R @ DUNGOG
21010055										T		DWR WQR	THOMPSONS LANE SITE2
21010056												DWR WQR	HUNTER @ THOMPSONS 1
21010057										T		DWR WQR	HUNTER @ RIVERSIDE 2
21010058												DWR WQR	HUNTER @ RIVERSIDE 1
21010059												DWR WQR	HUNTER @ TYRELLS 2
21010060												DWR WQR	HUNTER @ TYRELLS 1
21010061										T C B P		DWR WQS	PAGES @ ALLANS BDGE.
21010062												DWR WQR	PAGES R. @ VINERY
21010063										T		DWR WQR	ROUCHEL BROOK SITE 2
21010064												DWR WQR	ROUCHEL BROOK SITE 1
21010068	01/01/2002	01/01/2004	03/04/2002	27/11/2003	03/04/2002	03/04/2002	105	1	10		27/11/2003	DWR DISC	OMADALE @ GUY GULLEN
BASIN 211 - MACQUARIE - TUGGERAH LAKES													
211001	01/01/1958	01/01/1980	10/11/1958	09/07/1979	10/11/1958	04/03/1977	135	34	136		08/07/1979	DWR DISC	WYEE CREEK @ WYEE
211002	01/01/1959	01/01/1967	17/04/1927	07/06/2008	30/01/1959	16/02/1966	45	9	67		20/02/1969	DWR DISC	WYONG RIVER @ WYONG
211003	01/01/1960	01/01/1965							47		10/09/1965	DWR DISC	MANNERING CK @ WYEE
211004	01/01/1961	01/01/1990	20/11/1973	01/01/1989	18/02/1961	24/02/1975	105	10	100		01/01/1989	DWR DISC	JILLIBY CK @ OLNEY

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211005	01/01/1965	01/01/1990	30/07/1973	26/05/1989	14/11/1972	17/09/1988	124	9	50			26/05/1989	DWR	DISC	OURIMBAH CK TUGGERAH
211006	01/01/1965	01/01/1977	14/10/1965	16/07/1976	14/10/1965	17/05/1974	110	3	98			16/07/1976	DWR	DISC	WALLARAH WARNERVALE
211007	01/01/1966	01/01/1972							54			05/09/1977	DWR	DISC	WYONG R @ WYONG WEIR
211008	01/01/1801	01/01/2101	18/12/1969	07/11/2013	07/12/1969	27/08/1974	110	3	104				DWR	PI	JIGADEE CK@AVONDALE
\$211009	01/01/1801	01/01/2101	25/12/1972	01/10/2013	20/12/1972	08/02/2010	180	43	223				DWR	SPS	WYONG R @ GRACEMERE
\$211010	01/01/1801	01/01/2101	20/12/1972	01/10/2013	20/12/1972	15/11/1994	118	20	59				DWR	PJI	JILLIBY CK U/S WYONG
211011													WSC	DISC	JILLIBY @ DOORALONG
211012													WSC		BRUSH CK @ BRUSH CK
\$211013	01/01/1801	01/01/2101	12/11/1976	09/10/2013	01/02/1976	19/03/2011	177	29	134	R	T C		DWR	PI	OURIMBAH CK U/S WEIR
\$211014	01/01/1801	01/01/2101	10/11/1976	01/10/2013	10/11/1976	08/02/2010	156	31	191				DWR	SPS	WYONG RV@YARRAMALONG
\$211015	01/01/1801	01/01/2101	22/10/2003	09/10/2013	21/10/2003	29/01/2013	14	9	42				DWR	PJI	OURIMBAH CK D/S BANG
211016	01/01/2003	01/01/2008	27/08/2003	11/07/2007	27/08/2003	01/03/2006	3	3	10			30/05/2008	DWR	PJI	NARARA CK U/S RESEAR
\$211017			22/09/2011	23/08/2013	13/09/2011	13/09/2011	1	1					DWR	SFH	WYONG@FISHWAY
21101001			28/03/2008	22/06/2009								22/06/2009	DWR	ADH	Springs Rd
21101002			28/03/2008	28/11/2012								28/11/2012	DWR	ADH	Middle Ourimbah

BASIN 212 - HAWKESBURY RIVER

212001	01/01/1922	01/01/1946							63				SWB	DISC	NEPEAN MAGUIRES XING
212002	01/01/1925	01/01/1955	23/10/1925	31/12/1954					107			28/01/1959	DWR	DISC	UPPER BURRAGORANG
212003	01/01/1926	01/01/1963	28/02/1928	03/08/1934					192			11/12/1962	DWR	DISC	BURRALOW @ KURRAJONG
212004	01/01/1926	01/01/1934	21/07/1926	31/08/1933	21/07/1926	01/10/1932	9	9	37			31/08/1933	DWR	DISC	COXS @ CEDAR VALE
212005	01/01/1942	01/01/1956	01/10/1942	31/01/1955	22/05/1942	25/03/1958	9	9	53			24/03/1958	DWR	DISC	COXS @ MCMAHONS
212006	01/01/1946	01/01/1980	25/07/1947	22/03/1979	19/06/1946	12/07/1975	11	11	145			22/03/1979	DWR	DISC	WOLLONDILLY POMEROY
212007	01/01/1946	01/01/1957	01/07/1946	26/06/1956	01/07/1946	05/11/1952	2	2	54			01/02/1958	DWR	DISC	HEFFERNANS @ POMEROY
\$212008	01/01/1801	01/01/2101	08/02/1951	30/10/2013	08/12/1950	03/12/2010	239	54	370				DWR	PJI	COXS @ BATHURST RD
212009				25/10/1989	19/11/2002		2	2	293				SCA		WING'BEE @GREENSTEAD
212010	01/01/1954	01/01/1991	01/01/1949	09/06/2007	02/05/1972	15/11/1986	235	29	265			18/07/1990	SWB	XFR	MCDONALD RV@ST ALBNS
\$212011	01/01/1801	01/01/2101	26/05/1960	28/10/2013	26/05/1960	03/03/2012	334	46	357				DWR	PJI	COXS @ LITHGOW
212012	01/01/1962	01/01/1978	15/05/1962	01/12/1977	15/05/1962	02/07/1976	18	18	110			01/12/1977	DWR	DISC	W/DILLY @ GOULBURN
\$212013	01/01/1801	01/01/2101	18/11/1968	26/08/2013	17/11/1968	06/04/2000	113	8	206				DWR	PI	MEGALONG @ NARROW NK
212014	01/01/1968	01/01/1994	21/11/1968	01/04/1993	21/11/1968	23/05/1991	125	5	130			01/04/1993	DWR	DISC	BLCKHTH CK @ MT BOYC
212015	01/01/1968	01/01/1976	20/10/1970	31/05/1975	26/11/1968	11/02/1973	180	17	42			30/05/1975	DWR	DISC	WOLGAN @ WOLGAN GAP
212016				04/12/1968	23/12/1998		4	34	144				SCA		KEDUMBA @ CROSSING
212017													DWR		REFER 212320
\$212018	01/01/1801	01/01/2101	14/08/1970	29/10/2013	14/08/1970	04/12/2010	158	39	209				DWR	PPS	CAPERTEE @ GLEN DAVI
212019	01/01/1970	01/01/1992	17/04/1984	31/05/1991	29/04/1983	17/09/1990	46	14	307			31/05/1991	DWR	DISC	MANGROVE CK@MNGRV.MT
212020	01/01/1977	01/01/1994	26/12/1977	24/03/1993	01/01/1972	03/04/1989	101	3	131			24/03/1993	DWR	DISC	TARLO @ SWALLOWTAIL

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212021	01/01/1801	01/01/2101	09/02/1976	02/10/2013	09/02/1976	06/02/1992	196	41	121								DWR	CF	MCDONALD RV@HOWES VA				
212022	01/01/1913	01/01/1930							11						30/06/1929	DWR	DISC	WING/BEE @ SHEEPWASH					
212023	01/01/1924	01/01/1928							4						01/01/1928	DWR	DISC	COXS @ MARRANGAROO					
212024	01/01/1924	01/01/1931							8						31/12/1930	DWR	DISC	MARRANGAROO CK@ MAR					
212026																DWR		REFER 212320					
212027	01/01/1946	01/01/1981	01/01/1947	08/04/1980	25/10/1973	25/10/1973	100	1	52						14/12/1982	DWR	DISC	WOLLONDILLY @ DS PJ					
212028	01/01/1973	01/01/1994	06/07/1973	19/04/1993	01/01/1973	14/11/1990	191	20	129						19/04/1993	DWR	DISC	WOLGAN @ NEWNES					
212029																DWR		NOT USED					
212030			20/07/1927	30/06/1929					5						30/06/1929	DWR	DISC	WINGECARIBEE @ BURDO					
212031					03/09/1982	27/11/2002	6	5	124							SCA		BONG BONG WEIR					
212033																UNS		SOUTH CK AT CLARKES					
212034																UNS		SOUTH @ TWIN PINES					
212035																UNS		SOUTH CREEK @ SMITHS					
212036																UNS		EASTERN CK @ YOUNGS					
212037																UNS		ROPES CK @ DELMONTES					
212038	01/01/1976	01/01/1985	02/04/1976	31/10/1984	02/03/1976	04/04/1981	135	8	78						19/02/1987	DWR	DISC	WOLGAN CAPE PINNACLE					
212039	01/01/1976	01/01/1993	15/11/1976	05/03/1992	15/11/1976	12/02/1991	241	47	122						05/03/1992	DWR	DISC	MANGROVE CK D/S DAM					
212040	01/01/1801	01/01/2101	08/06/1979	27/09/2013	08/06/1979	08/12/2004	106	8	182							DWR	PI	KIALLA CK @ POMEROY					
212041	01/01/1983	01/01/1995	13/01/1983	01/06/1994	13/01/1983	02/04/1989	2	2	46							PP		COXS U/S WALLERWANG					
\$212042	01/01/1801	01/01/2101	23/09/1980	30/10/2013	01/03/1980	05/12/2010	187	24	176 R							DWR	PJI	FARMERS @ MT WALKER					
212043															16/02/1993	DWR	DISC	COXS @ MT WALKER					
212044															30/11/1981	DWR	DISC	COLO @ CULOUL RANG					
\$212045	01/01/1801	01/01/2101	17/08/1981	26/08/2013	17/08/1981	28/11/2007	108	5	162							DWR	PJI	COXS @ ISLAND HILL					
212047					19/08/1985	19/08/1985	100	1	52						05/08/1997	DWR	DISC	WOLLONDILLY CARDOSS					
\$212048	01/01/1801	01/01/2101	25/02/1986	18/11/2013	01/01/1900	01/07/2013	120	14	160 R	T	C					DWR	CF	SOUTH CREEK @ G.W.H					
\$212049	01/01/1801	01/01/2101	12/03/1986	15/11/2013	15/04/1990	22/07/2011	105	5	141							DWR	CF	ROPES CK @ DEBRINCAT					
212050	01/01/1986	01/01/1992	20/03/1986	18/01/1991	20/03/1986	20/03/1986	100	1	66						19/02/1991	SWB	XFR	EASTERN @ DOUGLAS RD					
212051	01/01/1986	01/01/1992	29/04/1986	19/02/1991	29/04/1986	29/04/1986	100	1	47						19/02/1991	SWB	XFR	2ND PONDS WINDSOR RD					
212052	01/01/1986	01/01/1993	04/04/1986	17/07/1992	04/04/1986	31/05/1990	102	3	55						17/07/1992	SWB	XFR	1ST PONDS WINDSOR RD					
\$212053	01/01/1801	01/01/2101	04/12/1990	18/09/2013	01/01/1990	03/03/2005	101	2	79 R							DWR	PJI	STONEQUARRY @ PICTON					
\$212054	01/01/1801	01/01/2101	17/01/1992	29/10/2013	10/09/1991	04/01/2011	103	4	103	T	C					DWR	PJI	COXS @ WALLERAWANG					
\$212055	01/01/1801	01/01/2101	06/12/1991	29/10/2013	01/12/1991	01/12/1991	100	1	90	T	C					DWR	PJI	NEUBECKS CK U/S WALL					
\$212056	01/01/1999	01/01/2004	13/06/1999	13/02/2003	13/06/1999	13/06/1999	101	1	43	T	C	B	P	O	30/06/2006	DWR	DISC	CATARACT @ BUBBLE					
\$212057			13/12/1999	05/07/2000						R	T	C	B	P	O	24/08/2006	DWR	DISC	SOUTH CK @ SHANES PK				
212058	01/01/1801	01/01/2101	13/12/2000	28/10/2013	18/10/2000	24/02/2012	4	4	66							DWR	PJI	COXS U/S LAKE LYALL					
\$212059			01/02/2011	06/11/2013	01/02/2011	01/02/2012	2	2	28							DWR	CR	CATTAI@MURPHY BRIDGE					
\$212060			09/02/2011	01/10/2013	01/01/1990	01/01/2000	1	1	10							DWR	CR	TARLO@WILLOWBANK					
212061					27/08/2003	01/03/2006	3	3	10						30/05/2008	DWR	PJI	NARARA CK U/S RESEAR					

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i x	m m n r p n m y	d b h d d g										
212062																				DWR	PJI	LT WHEENY@KURRAJONG
212063																				DWR	PJI	NERRIGORAN@THIRLMERE
212064																				DWR	PJI	BLUEGUMCK@THIRLMERE
212065																				DWR	PJI	BARABA@THIRLMERE
212066																				DWR	PJI	COURIDJAH@THIRLMERE
212067																				DWR	PJI	WERRIBERRI@THIRLMERE
212068																				DWR	PJI	GANDANGARR@THIRLMERE
212200						28/04/1988	06/07/1988		6	3	114									SCA		HAWK'BURY NTHRCHMOND
212201						01/06/1891	18/05/1995		58	25	1026									SCA		NEPEAN R @ PENRITH
212202						31/12/1975	23/05/1991		4	2	342									SCA		NEPEAN R @ WALLACIA
212203						01/01/1913	01/11/1983		2	2	68									SCA		NEP.@-PHEASANTS NEST
212204						08/08/1980	08/08/1980		5	1	202									SCA		NEP.R @ AVON DAM RD
212205											85									SCA		NEP.R.@ NEPEAN DAM
212207											12									SWB		BARGO R @ BARGO WEIR
212208						03/04/1970	15/01/1972		4	2	207									SCA		NEP.RV @ MALDON WEIR
212209						04/02/1970	27/08/2001		7	4	289									SCA		NAPEAN @ MAGUIRES XG
212210						01/01/1919	01/08/1990		3	2	130									SCA		AVON R. @ AVON WEIR
212211											31									SCA		AVON R. @ AVON DAM
212212																				SCA		WINGECARRIBEE DAM
212213						13/09/1985	30/10/1998		3	2	60									SCA		NEP.R.@ MT HUNTER WR
212216						05/09/1985	29/11/1991		5	5	109									SCA		NEP.R.@ CAMDEN WEIR
212217						05/09/1985	23/07/2002		2	2	4									SCA		MATAHILL CK@ D/S W/C
212218						24/05/1990	08/08/1998		2	2	57									SCA		ERSKINE CK @ DODDS
212219						01/06/1990	12/03/2003		3	3	78									SCA		GLENBROOK@ JELLYBEAN
212220											4									SCA		CORDEAUX R @ DAM
212221						19/11/1986	11/05/2000		2	2	79									SCA		CORDEAUX R CORD WEIR
212228						22/01/1990	11/03/2003		10	10	80									SCA		MC DONALD @ST ALBANS
212229						01/01/1990	01/01/1990		1	1	29									SCA		MANGROVE C @PUMP STN
212230											1									SWB		CATARACT @BROUGHTONS
212231						13/04/1945	07/03/2001		3	3	199									SCA		CAT.R. JORDANS X-ING
212232											12									SCA		CATARACT DAM
212233						01/01/1978	01/01/1978		3	1	33									SCA		BROUGHTONS PASS WEIR
212238						01/05/1990	24/10/1999		2	2	97									SCA		NEP.R MENANGLE WEIR
212240						09/04/1981	09/04/1981		2	1	73									SCA		W'GAMBA R@ NEP JUNCT
212241						27/11/1980	25/05/1994		8	4	232									SCA		WARRAGAMBA R @ WEIR
212243																				SCA		WARRAGAMBA UPSTREAM
212244						28/06/1988	01/01/1996		4	4	126									SCA		WERRIBERRI CK @ W10A
212246																				SCA		STORAGE BUTCHERS CK

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i u x i m m n r p n m y n p p d b H d d g	W H O Discont. Date	Org. Net Code Class	NAME
212249												SCA	STORAGE @ TONALLI
212250					01/11/1966	13/09/2001	17	13	391			SCA	COXS R @ KELPIE PT
212260					01/01/1968	10/04/1992	14	10	1137			SCA	KOWMUNG @ CEDAR FORD
212270					14/12/1961	01/08/1990	7	5	504			SCA	W'DILLY R @ JOORILAND
212271					01/01/1974	11/12/1992	3	2	350			SCA	GOLDEN VALLEY
212272					21/01/1975	21/01/1975	4	2	222			SCA	BERRIMA
212274					01/08/1972	02/04/1984	6	5	330			SCA	CAALANG C @ MAUGERS
212275					01/08/1986	23/08/2002	21	8	449			SCA	SHEEPWASH BRIDGE
212280					06/07/1965	04/02/1990	7	7	521			SCA	NATTAI @ CAUSEWAY
212281									5			SCA	CASCADE CREEK @ No 1
212282									4			SCA	CASCADE CREEK @ No 2
212283												SCA	CASCADE CREEK @ No 3
212284									7			SCA	GREAVES CK @ MEDLOW
212285									3			SCA	GREAVES CREEK AT DAM
212286									2			SCA	WOODFORD CK @ DAM
212290					01/07/1975	23/03/2000	24	15	818			SCA	COLO R @ UPPER COLO
212291					03/11/1987	03/11/1987	3	1	334			SCA	GROSE R @ BURRALOW
212294					16/03/1983	16/03/1983	5	1	195			SCA	BEROWRA CK @ GALSTON
212295					21/03/1983	05/02/2002	21	15	360			SCA	CATTAI CK @ MARAYLYA
212296					24/03/1980	19/11/2001	10	10	334			SCA	EAST CK @ RIVERSTONE
212297					05/03/1982	05/02/2002	10	8	255			SCA	SOUTH CK RICHMOND RD
\$212320	01/01/1801	01/01/2101	31/05/1970	15/11/2013	31/05/1970	09/02/1992	146	10	166	R	T	DWR	PJX SOUTH CK @ MULGOA RD
212342					01/04/1997	01/04/1997	1	1	32			SCA	EASTERN CK QUAKERS H
212406			18/06/1949	26/10/1999								PWD	WQR SACKVILLE
212407			18/06/1949	26/10/1999								PWD	WQR COLO JUNCTION
212408												SCA	HAWKESBURYR WEBBS CK
212460												PWD	WQR HAWKESBURY@WISEMANS
212461												PWD	WQR HAWKESBURY@LEETSVALE
212900												SCA	HAWK R SACKVILLE FER
212902	01/01/1925	01/01/1932	23/06/1867	17/06/2007								UNK	H'BURY @N RICHMOND B
212903												SCA	HAWKESBURY R@WINDSOR
212904			30/08/1963	16/06/2007					3			UNK	NEPEAN @MENANGLE
21210060	*		11/05/1987	12/07/2006						R	B	12/07/2006	DWR UNCL WHITEHEADS@MUMMEL G1
21210061			09/02/1987	12/07/2006						R	B	12/07/2006	DWR UNCL WHITEHEADS@MUMMEL G2
21210062			02/08/1987	12/07/2006						R	B	12/07/2006	DWR UNCL WHITEHEADS@MUMMEL G3
21210063	*		27/05/1987	12/07/2006						R	B	12/07/2006	DWR UNCL WHITEHEADS@MUMMEL G4
21210064	*		16/08/1988	12/07/2006						R	B	12/07/2006	DWR UNCL WHITEHEADS@MUMMEL G5
21210065			18/08/1988	12/07/2006						R	B	12/07/2006	DWR UNCL WHITEHEAD@MUMMEL G6

Station	FLOWS		HEIGHTS		RATINGS		No. No.		R A W C T W H O		Discont.	Org. Net		NAME
Number	Start	End	Start	End	First Starts	Last Starts	Last of Tab	of of Tabs Gaug	a t t o u i u x	i m m n r p n m y	Date	Code	Class	

BASIN 213 - SYDNEY COAST - GEORGES RIVER

213001	01/01/1925	01/01/1944						20			30/06/1943	DWR	DISC	WARATAH (WATERFALL)
213002	01/01/1924	01/01/1931						15			30/11/1930	DWR	DISC	O HARE DARKES FOREST
213003	01/01/1924	01/01/1952						25			28/08/1953	DWR	DISC	WORONORA RV ENGADINE
213004	01/01/1979	01/01/2005	06/02/1979	29/03/2004	06/02/1979	01/01/1992	112	5 102 R			03/10/2004	UPR	XFR	PARRAMATTA R@P/MATTA
\$213005	01/01/1979	01/01/2012	16/03/1979	30/09/2011	10/05/1980	25/09/2002	119	7 163 R				DWR	CF	TOONGABBIE BRIENS RD
\$213006	01/01/1980	01/01/2012	16/12/1980	11/11/2011	16/12/1980	16/12/1980	10	1 114 R				DWR	PJX	FISHERS GHS BRADBURY
\$213009	01/01/1986	01/01/2012	08/05/1986	05/10/2011	08/05/1986	23/06/2006	117	9 129				DWR	CF	PROSPECT@ SMITHFIELD
\$213011	01/01/1986	01/01/2012	08/05/1986	05/10/2011	08/05/1986	20/01/2004	102	3 99	T C			DWR	CF	CABRAMATTA @ OG RD
\$213012	01/01/1986	01/01/2012	28/05/1986	19/10/2011	28/05/1986	27/06/2006	101	2 90				DWR	CF	BUNBURY CURRAN CK@RP
\$213013	01/01/1986	01/01/2012	28/05/1986	19/10/2011	28/05/1986	20/08/2007	103	3 94				DWR	CF	BOW BOWING @REDFERN
\$213014	01/01/1987	01/01/2012	24/02/1987	05/10/2011	24/02/1987	03/04/2009	109	9 103				DWR	CF	ORPHAN SCHOOL CK@SVR
\$213018			05/05/2011	19/10/2011	05/05/2011	05/05/2011	1	1 2				DWR	CR	GEORGES@MINTO HEIGHT
213200	01/01/1953	01/01/2012	01/02/1978	11/11/2011	10/09/1930	20/09/1971	101	5 153				DWR	PI	OHARES CK@WEDDERBURN
213001	01/01/1925	01/01/1944						20			30/06/1943	DWR	DISC	WARATAH (WATERFALL)
213002	01/01/1924	01/01/1931						15			30/11/1930	DWR	DISC	O HARE DARKES FOREST
213003	01/01/1924	01/01/1952						25			28/08/1953	DWR	DISC	WORONORA @ ENGADINE
213004	01/01/1979	01/01/2005	06/02/1979	29/03/2004	06/02/1979	01/01/1992	112	5 102 R			03/10/2004	UPR	XFR	PARRAMATTA R@P/MATTA
\$213005	01/01/1801	01/01/2101	16/03/1979	05/11/2013	10/05/1980	25/09/2002	119	7 187 R				DWR	CF	TOONGABBIE BRIENS RD
\$213006	01/01/1801	01/01/2101	16/12/1980	19/11/2013	16/12/1980	03/06/2008	111	2 135 R				DWR	PJX	FISHERS GHS BRADBURY
213007											30/06/1939	DWR	DISC	CENTENNIAL PK @ BUSB
213008											30/06/1939	DWR	DISC	CENTENNIAL PK @ DUCK
\$213009	01/01/1801	01/01/2101	08/05/1986	05/11/2013	08/05/1986	16/12/2010	118	10 154				DWR	CF	PROSPECT@ SMITHFIELD
213010								4			08/05/1986	DWR	DISC	ORPHAN SCH CK KING R
\$213011	01/01/1801	01/01/2101	08/05/1986	05/11/2013	08/05/1986	05/02/2008	103	4 123	T C			DWR	CF	CABRAMATTA @ OG RD
\$213012	01/01/1801	01/01/2101	28/05/1986	19/11/2013	28/05/1986	27/06/2006	101	2 109				DWR	CF	BUNBURY CURRAN CK@RP
\$213013	01/01/1801	01/01/2101	28/05/1986	19/11/2013	28/05/1986	20/08/2007	103	3 110				DWR	CF	BOW BOWING @REDFERN
\$213014	01/01/1801	01/01/2101	24/02/1987	05/11/2013	24/02/1987	03/04/2009	109	9 127				DWR	CF	ORPHAN SCHOOL CK@SVR
213015					01/01/1990	01/01/1990	1	1				UPR		TOONGABBIE @JOHNSTON
213016					01/01/1990	01/01/1990	1	1				UPR		TOONGABBIE @REDBANK
213017					01/01/1990	01/01/1990	1	1				UPR	UNCL	DARLING MILLS @VIADU
\$213018			05/05/2011	06/11/2013	05/05/2011	05/05/2011	1	1 21				DWR	CR	GEORGES@MINTO HEIGHT
213200	01/01/1801	01/01/2101	01/02/1978	20/11/2013	10/09/1930	25/12/1999	102	6 166				DWR	PI	OHARES CK@WEDDERBURN
213201												SWB		OHARE'S @COBBONG
213203												SWB		STOKES @FOURMILE

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O	Discont.	Org. Net	NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	Date	Code Class	
213210									5	n p p d b h d d g		SCA	WORONORA R. @ DAM
213211					01/05/1992	01/05/1992	1	1	37			SCA	WORONORA R @ NEEDLES
213223												SWB	UPPER CANAL @BROOKS
213240												SCA	PROSPECT LEVEL
213300									1			UNS	STORMWATER @MAROUBRA
213401			16/06/2007	16/06/2007								PWD	GEORGES @CUTLER ROAD
213404			16/06/2007	16/06/2007								PWD	GEORGES @SCRIVENER
213405												UNK	GEORGES U/S MILPERRA

BASIN 214 - WOLLONGONG COAST

214001	01/01/1922	01/01/1927							18		30/06/1926	DWR DISC	MACQUARIE @ TONGARRA
214002	01/01/1925	01/01/1927							1		01/01/1926	DWR DISC	TONGARRA CK TONGARRA
\$214003	01/01/1801	01/01/2101	01/09/1949	24/09/2013	31/08/1949	13/09/2013	157	59	422			DWR PI	MACQUARIE RVLET @ AP
214004	01/01/1971	01/01/1981							70		20/05/1980	DWR DISC	MINNAMURRA @ JAMBERO
214005	01/01/1926	01/01/1931							20		30/11/1930	DWR DISC	MACQUARIE MATTINSONS
214006	01/01/2001	01/01/2007	18/05/2001	20/03/2006	18/05/2001	01/07/2005	2	2	22		30/06/2006	DWR DISC	MINNAMURRA @ RFOREST
214007	01/01/2003	01/01/2006	17/05/2001	03/08/2006	25/04/2001	25/04/2001	1	1	19 R T C		30/06/2006	DWR DISC	F/TAINDALE @ BURNSID
214008			16/05/2001	03/08/2006	16/05/2001	16/05/2001	1	1	15		30/06/2006	DWR DISC	JERRARA @ RD BDGE
214009	01/01/2003	01/01/2005	17/05/2001	23/11/2004	17/05/2001	20/11/2002	2	2	21 R T C		30/06/2006	DWR DISC	MINNAMURRA LANE
\$214010	01/01/1801	01/01/2101	16/05/2001	24/09/2013	16/05/2001	21/03/2011	4	4	51			DWR PJI	MINNAMURRA @ BROWNS

BASIN 215 - SHOALHAVEN RIVER

215001	01/01/1909	01/01/1977	26/04/1870	15/06/1978	13/06/1909	29/08/1974	30	30	319		31/01/1976	DWR DISC	SHOALHVN WELCOME RF
\$215002	01/01/1801	01/01/2101	01/09/1914	26/09/2013	31/08/1914	04/06/2006	169	29	518			DWR PPS	SHOALHAVEN @ WARRI
215003	01/01/1924	01/01/1955							143		31/01/1954	DWR DISC	MONGARLOWE CHARLYONG
\$215004	01/01/1801	01/01/2101	07/09/1924	25/09/2013	07/09/1924	05/02/2001	101	37	546			DWR PI	CORANG @ HOCKEYS
215005	01/01/1945	01/01/1986	22/03/1973	01/01/1985	13/10/1972	26/11/1979	120	5	256		31/12/1984	DWR DISC	MONGARLOWE @ MARLOWE
215006	01/01/1950	01/01/1983							192		28/02/1972	DWR DISC	MONGARLOWE @ MONGLOW
\$215007	01/01/1801	01/01/2101	07/08/2003	26/09/2013	13/10/1948	07/12/2010	3	2	69 R T C			DWR PJI	MONGARLOWE @ MONGA
\$215008	01/01/1801	01/01/2101	16/09/1950	26/09/2013	06/09/1950	15/02/2010	179	21	269 R			DWR PI	SHOALHAVEN @ KADOONA
215009	01/01/1924	01/01/1980	23/02/1970	10/11/1979	01/07/1958	24/03/1978	255	30	251		20/08/1981	DWR DISC	ENDRICK R @ NOWRA RD
215010	01/01/1954	01/01/1976							168		07/05/1975	DWR DISC	K/ROO @ KANGAROO VLY
215011	01/01/1964	01/01/1975							102		05/12/1975	DWR DISC	SHOALHAVEN NOWRA P.S
215012	01/01/1974	01/01/1985							79		01/01/1985	DWR DISC	J/BTGULLA CK @ KAIN
\$215014	01/01/1801	01/01/2101	13/04/1981	01/10/2013	12/04/1981	01/02/1998	101	2	143 R			DWR PI	BUNGONIA @ BUNGONIA
\$215015	01/01/2002	01/01/2010	04/09/2002	08/10/2009	04/09/2002	04/09/2002	2	1	28 T C			DWR PJI	BROUGHTON M @ BERRY
\$215016	01/01/1801	01/01/2101	03/07/2003	17/09/2013	03/07/2003	23/05/2009	2	2	45 R			DWR PJI	BOMADERRY CK@B'DERRY

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b H d d g					Discont.		Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug							Code	Class		
\$215017			11/04/2005	04/01/2007						17	R	T	C		30/03/2007	DWR	DISC	BROUGHTON CK @ OAKS	
215018	01/01/1801	01/01/2101	07/05/2008	24/09/2013	04/03/2008	04/03/2008	1	1	36	R						DWR	PJI	BROUGHTON CK@B'VALE	
\$215019			07/02/2011	24/09/2013	06/02/2011	06/02/2011	1	1	21							DWR	CR	JASPERS@JASPERS	
215207					14/07/1977	08/08/1998	17	14	385							SCA		FOSSICKERS FLAT	
215208					21/05/1969	07/02/2002	8	6	370					01/01/1900		SCA		SHOALHAVEN @HILLVIEW	
215209					14/07/1971	18/08/1998	7	3	354							SCA		MOUNTVIEW	
215210					27/07/1972	10/07/2001	12	7	413							SCA		MONGARLOWE	
215212																SCA		TALLOWA DAM	
215215					29/05/1991	25/09/1997	2	2	95							SCA		D/S TALLOWA DAM	
215216					24/11/1987	01/01/1995	2	2	170							SCA		GRASSY GULLY NO.2	
215217																SCA		KVPS	
215219																SCA		BENDEELA PUMP STN	
215220					30/09/1972	18/10/1994	8	4	202							SCA		HAMPDEN BRIDGE	
215223																SWB		BROGERS @CLINTON PK	
215233					13/07/1971	01/05/1990	7	3	266							SCA		WILDES MEADOW	
215234					01/03/1983	02/12/1997	8	3	275							SCA		FITZROY FALLS	
215235									10							SCA		FITZROY FALLS DAM	
215237					12/03/1994	12/03/1994	1	1	89							SCA		GILLAMATONG CREEK	
215238					17/02/1994	21/02/2003	2	2	78							SCA		REEDY CK @ MANAR	
215239					18/02/1994	18/02/1994	1	1	58							SCA		BORO CK @ MARLOWE	
215240					02/12/1994	02/12/1994	1	1	49							SCA		MINSHULL TRIG	
215241					23/08/1994	23/08/1994	1	1	65							SCA		BENDOURA	
215242					02/12/1994	02/12/1994	1	1	68							SCA		CORANG R @ MEANGORA	
215430																PWD	WQR	SHOALHAVEN@GRADYPK	

BASIN 216 - CLYDE RIVER - JERVIS BAY

216001	01/01/1954	01/01/1978							101				31/10/1977	DWR	DISC	CURROWAN @ SHALLOW X
\$216002	01/01/1801	01/01/2101	08/07/1960	16/09/2013	08/07/1960	31/05/2010	215	39	354	T				DWR	PI	CLYDE RV @ BROOMAN
216003	01/01/1969	01/01/1971							47	T			22/07/1977	DWR	DISC	PARMA CK @ FALLS CK
\$216004	01/01/1801	01/01/2101	09/04/1970	15/08/2013	09/04/1970	10/06/1998	118	10	249					DWR	PI	CURRAMBENE@ FALLS CK
216005	01/01/1975	01/01/1986	20/10/1975	05/06/1985	20/10/1975	28/07/1984	145	10	95	T			05/06/1985	DWR	DISC	BUCKENBOWRA NO 2
216006	01/01/1971	01/01/1982			27/10/1971	05/04/1981	18	13	70				31/12/1981	DWR	DISC	WANDANDIAN WAND/DIAN
216007	01/01/1971	01/01/1982							87	T			01/09/1981	DWR	DISC	CLYDE RV @ YADBORO
216008	01/01/1801	01/01/2101	26/11/1980	11/04/2013	01/11/1980	01/11/1980	100	1	79	R				DWR	PJI	BUTLERS CK @ KIOLOA
\$216009	01/01/1801	01/01/2101	19/04/1985	14/10/2013	19/04/1985	15/02/2010	130	6	145					DWR	PBM	BUCKENBOWRA NO 3
216010	01/01/1985	01/01/1987	07/08/1985	21/02/1986									21/02/1986	DWR	DISC	MOONA MOONA CK HUSKI
216011	01/01/1970	01/01/1976							31	T			20/10/1975	DWR	DISC	BUCKENBOWRA NO 1

Station	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O										Discont.	Org. Net		NAME
Number	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	i m m n r p n m y	D a t e									Code	Class	

BASIN 217 - MORUYA RIVER

217001	01/01/1955	01/01/1978	01/04/1955	19/08/1998	22/12/1954	28/08/1974	15	17	164										31/07/1977	DWR	DISC	DEUA U/S MCGREGORS
\$217002	01/01/1801	01/01/2101	24/09/1959	05/06/2013	20/04/1959	23/02/2003	260	56	367											DWR	PPS	DEUA RIVER @ WAMBAN
217003	01/01/1969	01/01/1984	03/09/1969	27/04/1983	28/08/1969	05/04/1981	24	26	103										27/04/1983	DWR	DISC	LOWER ARALUEN CREEK
217004	01/01/1969	01/01/1976	30/09/1969	11/03/1975	29/09/1969	06/11/1974	140	9	55										11/03/1975	DWR	DISC	DEUA R @ MOODONG
217005	01/01/1975	01/01/1986	05/12/1975	01/01/1985	05/12/1975	29/05/1980	130	7	56										17/04/1985	DWR	DISC	DEUA RV @ NERINGLA
\$217006	01/01/1801	01/01/2101	21/10/1997	15/10/2013	21/10/1997	24/06/2013	38	7	77			T C								DWR	PJI	ARALUEN @ NERINGLA
\$217007			08/02/2011	14/10/2013	01/01/1900	01/01/1900	10	1	28											DWR	PPS	DEUA @ RIVERVIEW

BASIN 218 - TUROSS RIVER

\$218001	01/01/1801	01/01/2101	24/06/1948	07/11/2013	24/06/1948	24/06/2007	190	21	282													DWR	PI	TUROSS @ TUROSS VALE
218002	01/01/1954	01/01/1985	01/06/1954	04/09/1984	01/06/1954	24/05/1981	140	29	240		T	C	P		04/09/1984	DWR	DISC	TUROSS RV @ BELOWRA						
218003	01/01/1958	01/01/1985	01/09/1958	16/10/1984	01/09/1958	03/05/1983	230	48	246		T	C	P		16/10/1984	DWR	DISC	YOWRIE R @ YOWRIE						
218004	01/01/1959	01/01/1961	06/07/1959	30/11/1962					25						30/11/1962	DWR	DISC	TUROSS @ WATTLEGROVE						
\$218005	01/01/1801	01/01/2101	10/06/1964	16/10/2013	10/06/1964	15/02/2010	65	21	317	R						DWR	PI	D/S WADBILLIGA JN						
218006	01/01/1966	01/01/2004	06/07/1966	16/12/2003	06/07/1966	21/04/1980	45	3	185		T	C	P		30/06/2006	DWR	DISC	WANDELLA CK WANDELLA						
\$218007	01/01/1801	01/01/2101	12/06/1974	27/11/2013	01/01/1974	22/03/2011	190	19	225							DWR	PBM	WADBILIGA WADBILLIGA						
\$218008	01/01/1801	01/01/2101	14/04/1977	14/10/2013	01/04/1977	10/11/2008	200	21	201	R						DWR	SPS	TUROSS @ EUROBODALLA						
218009	01/01/1924	01/01/1932	07/01/1924	31/08/1931					17	R					31/08/1931	DWR	DISC	TUROSS RV @ TUROSS						
218010			01/01/2002	28/03/2007	13/01/2001	13/01/2001	1	1	13	R						DWR	CR	WANDELLA Ck U/S DAM						
218011			02/01/2003	01/03/2007	09/01/2002	09/01/2002	1	1	16							DWR	CR	WANDELLA @ MOTBEYS						

BASIN 219 - BEGA RIVER

\$219001	01/01/1801	01/01/2101	02/04/1924	10/10/2013	02/04/1924	30/05/2010	180	14	464												DWR	PI	RUTHERFORD BROWN MTN
219002	01/01/1939	01/01/1948							15										13/07/1948	DWR	DISC	TANTA @ SUNNYSIDE	
\$219003	01/01/1801	01/01/2101	16/04/1943	10/10/2013	16/04/1943	28/06/1997	145	10	349		T	C	B	P							DWR	PPS	BEMBOKA @ MORANS XIN
219004	01/01/1943	01/01/1975	17/04/1943	06/11/1974	17/04/1943	21/02/1973	26	22	202										06/11/1974	DWR	DISC	TANTAWANGALO SCHOOL	
219005	01/01/1948	01/01/1955	21/05/1948	31/01/1954	21/05/1948	01/04/1953	2	2	24										30/06/1961	DWR	DISC	GEORGES & STEEPLE FL	
\$219006	01/01/1801	01/01/2101	17/02/1951	20/11/2013	17/02/1951	22/03/2011	125	24	439	R											DWR	PJI	TANTAWANGALO MTN
219007	01/01/1954	01/01/1961	19/05/1954	31/01/1960	19/05/1954	22/10/1959	7	7	31	R									31/01/1960	DWR	DISC	BROGO RIVER @ BROGO	
219008	01/01/1954	01/01/1964	07/09/1954	24/07/1963	07/09/1954	17/02/1956	3	3	58										24/07/1963	DWR	DISC	NUNNOCK @ BROWN MTN	
219009	01/01/1954	01/01/1965	11/09/1954	09/10/1964					64										09/10/1964	DWR	DISC	YANKEYS BEGA SWAMPS	
219010	01/01/1954	01/01/1975	05/08/1954	01/08/1974	05/08/1954	03/11/1972	120	19	96		T	C	P						01/08/1974	DWR	DISC	BONAR CK @ BROWN MTN	
219011	01/01/1960	01/01/1963	25/02/1960	13/12/1962	25/02/1960	01/02/1962	2	2	25										13/12/1962	DWR	DISC	CANDELO @ HEFFERNANS	
219012	01/01/1960	01/01/1979	05/10/1960	04/05/1978	24/02/1960	29/08/1974	8	9	173	R	T	C	P						04/05/1978	DWR	DISC	DEVILS @ TANTAWANLGL	

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\$219013	01/01/1801	01/01/2101	11/11/1961	28/11/2013	11/11/1961	22/03/2011	285	48	364				DWR SFS	BROGO @ NORTH BROGO
219014	01/01/1963	01/01/1979	22/07/1963	06/04/1978	20/07/1963	22/01/1976	21	19	167	T C P		06/04/1978	DWR DISC	CANDELO @ YURAMMIE
219015	01/01/1965	01/01/1990	12/06/1965	21/04/1989	12/06/1965	15/11/1986	125	11	167	T C P		21/04/1989	DWR DISC	NUTLEYS @ BERMAGUI
\$219016	01/01/1801	01/01/2101	17/06/1965	27/11/2013	17/06/1965	15/02/2010	205	16	278	T C			DWR PJI	NARIRA RV @ COBARGO
\$219017	01/01/1801	01/01/2101	07/07/1966	26/11/2013	07/07/1966	15/02/2010	135	12	324				DWR PI	DOUBLE CK NEAR BROGO
\$219018	01/01/1801	01/01/2101	12/07/1966	27/11/2013	26/06/1966	15/02/2010	130	47	256				DWR PJI	MURRAH RV @ QUAAMA
219019	01/01/1966	01/01/1979	11/07/1966	10/03/1978	11/07/1966	15/10/1976	13	13	167	R T C P		10/03/1978	DWR DISC	TANTAWANGLO KAMERUKA
219020	01/01/1966	01/01/1986	18/07/1966	30/08/1985	18/07/1966	03/11/1984	170	15	187			30/08/1985	DWR DISC	SANDY CK @ MOGILLA
219021	01/01/1966	01/01/1984	19/07/1966	21/02/1983	19/07/1966	05/02/1971	100	16	187			21/02/1983	DWR DISC	BEMBOKA R @ BEMBOKA
\$219022	01/01/1801	01/01/2101	30/11/1971	20/11/2013	30/11/1971	22/03/2011	150	9	281				DWR PJI	CANDELO DAMSITE
219023	01/01/1972	01/01/1976	07/03/1972	12/03/1975	07/03/1972	13/02/1973	2	2	35	T C		12/03/1975	DWR DISC	HOUSE CK @ BROGO NTH
219024			14/06/1972	02/09/1974	28/03/2001	11/04/2002	78	4	65	T C P		08/01/1979	DWR DISC	BROGO D/S BROGO DAM
\$219025	01/01/1801	01/01/2101	03/11/1976	28/11/2013	03/11/1976	22/03/2011	295	26	361	R T C B P			DWR SFS	BROGO RV @ ANGLEDAL
219026	01/01/1977	01/01/2005	20/10/1997	15/11/2004	20/10/1997	20/10/1997	1	1	97	T C B P			DWR WQS	BEGA R WARRAGUBURRA
\$219027	*		09/07/1976	25/09/2013					1	R			DWR PRH	BROGO DAM
219028	01/01/1974	01/01/1979	05/11/1974	01/07/1978	04/11/1974	15/10/1976	105	2	56	T C P		01/07/1978	DWR DISC	T_ANTA @ TANTAWANGLO
219029									3	T C P		31/12/1996	DWR DISC	TANTA @ KAMERKA #2
219030										R			DWR UNCL	BROWN MTN HYDRO STN.
219031					01/01/1997	01/01/1997	10	1	8	T C P			DWR CR	BARRABAROO CREEK
\$219032	01/01/1801	01/01/2101	08/08/1998	20/11/2013	11/12/1997	15/02/2010	65	6	128	R			DWR PPS	BEGA RIVER @ KANOONA
\$219033	* 01/01/1970	01/01/1996	05/12/1960	10/10/2013						R T			DWR PRH	COCHRANE DAM STORAGE
\$219034	01/01/1801	01/01/2101	03/06/2002	20/11/2013	03/06/2002	02/12/2010	30	4	64				DWR PRL	CANDELO @ GREENMOUNT
219060			30/04/1984	19/12/2000								31/12/2000	FOR DISC	CEB CREEK @ GLENBOG
219061			14/09/1985	19/12/2000								31/12/2000	FOR DISC	WICKSEND CREEK
219062			22/02/1985	19/12/2000						R		31/12/2000	FOR DISC	WILLBOB CREEK
219063													SWA	BEGA @ DARCEYS
219064													SWA	BROGO @ APPS
219065													SWA	BEGA @ BARRAGE
219066													DWR	DOUBLE CK @ BROGO 2
219410												15/05/2013	PWD WQR	BEGA RV @ BEGA
\$219900	01/01/1801	01/01/2101	19/05/1851	07/06/2013	01/01/1851	01/01/1851	1	1	1	R T			DWR PRF	BEGA RIVER @ BEGA

BASIN 220 - TOWAMBA RIVER

220001	01/01/1954	01/01/1982	13/05/1954	12/06/1981	13/05/1954	09/01/1980	215	43	232	T C P		12/06/1981	DWR DISC	NEW BUILDINGS BRIDGE
220002	01/01/1960	01/01/1986	15/02/1960	05/07/1985	05/02/1960	03/05/1983	185	18	222	T C P		05/07/1985	DWR DISC	STOCKYARD CREEK
\$220003	01/01/1801	01/01/2101	31/08/1966	25/11/2013	09/06/1966	10/07/2005	195	12	315	R T C B P			DWR PI	PAMBULA R @ LOCHIEL
\$220004	01/01/1801	01/01/2101	05/04/1970	22/10/2013	01/04/1970	22/03/2011	150	11	263				DWR PPS	TOWAMBA R @ TOWAMBA

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220005	01/01/1979	01/01/2000	05/06/1979	15/09/1999	05/06/1979	27/11/1985	105	4	63	T	C	P	15/09/1999	DWR	DISC	MERIMBULA CREEK
220006	01/01/1801	01/01/2101	15/03/1984	11/10/2013	15/03/1984	10/02/2002	115	4	118	T				DWR	SMS	MERRICA @ NADGEE

BASIN 221 - EAST GIPPSLAND

\$221001	01/01/1965	01/01/1996	04/06/1965	04/07/1995	04/06/1965	16/11/1988	29	6	184	R	T	C	P	23/06/1993	SGC	XFR	GENOA RV @ ROCKTON
\$221002	01/01/1801	01/01/2101	30/11/1971	11/10/2013	30/11/1971	31/03/1992	165	8	261	R					DWR	PJI	WALLAGARAUGH PR. HWY
221003	01/01/1971	01/01/1990	26/11/1971	13/04/1989	10/11/1971	24/05/1981	120	4	150		T	C	P	13/04/1989	DWR	DISC	GENOA RIVER @ BONDI
221004															FOR		POMADERRIS CK WEIR
221005															FOR		GEEBUNG CK. @ WEIR
221006															FOR		PEPPERMINT CK @ WEIR
221007															FOR		GREVILLEA CK AT WEIR
221008															FOR		STRINGY BARK CK WR.
221009															FOR		GERMANS CK. WEIR
221010	01/01/1801	01/01/2101	10/07/1981	11/10/2013	15/06/1981	10/11/1986	110	3	130		T				DWR	PI	IMLAY CK IMLAY ROAD
22101016														31/12/2012	DWR	ADH	Cann @ Silvertop

BASIN 222 - SNOWY RIVER

222001	01/01/1954	01/01/1979	07/10/1954	01/01/1978	07/10/1954	08/09/1978	50	50	217		T	C	P	17/10/1979	DWR	DISC	MACLAUGHLIN DALGETY
222002	01/01/1941	01/01/1950	05/03/1941	27/05/1949	05/03/1941	20/05/1946	2	2	28					27/05/1949	DWR	DISC	DEDDICK RV @ DEDDICK
222003	01/01/1941	01/01/1960			10/03/1941	09/11/1954	6	3	63					11/12/1961	DWR	DISC	DELEGATE RV @ MEADS
\$222004	01/01/1801	01/01/2101	11/03/1941	19/11/2013	11/03/1941	22/03/2011	120	9	382	R	T				DWR	PI	WELLESLEY (ROWES)
222005	01/01/1947	01/01/1956			13/05/1947	22/04/1951	3	3	49					01/04/1955	DWR	DISC	EUCUMBENE P/VIDENCE
222006	01/01/1949	01/01/1998	21/03/1949	04/06/1997	21/03/1949	02/03/1997	88	84	777		T	C	P	04/06/1997	DWR	DISC	SNOWY @ DALGETY
222007	01/01/1801	01/01/2101	01/03/1949	07/11/2013	01/01/1901	01/03/2012	230	26	424		T				DWR	SMS	WULLWYE CK @ WOOLWAY
\$222008	01/01/1801	01/01/2101	21/02/1951	19/11/2013	21/02/1951	29/06/2007	170	14	391	R	T	C			DWR	PPS	DELEGATE R @ QUIDONG
222009	01/01/1951	01/01/1996	28/05/1951	13/09/1995	28/05/1951	05/11/1994	160	14	333		T	C	P	13/09/1995	DWR	DISC	BOMBALA @ THE FALLS
222010	01/01/1965	01/01/1984	01/07/1965	05/01/1983	11/06/1965	03/06/1978	145	7	198		T	C	P	05/01/1983	DWR	DISC	BOBUNDARA @ DALGETY
222011	01/01/1965	01/01/1983	21/07/1965	27/07/1982	30/06/1965	03/06/1978	110	33	169		T	C	P	27/07/1982	DWR	DISC	CAMBALONG CK@GUNNING
222012	01/01/1966	01/01/1983	26/08/1966	10/05/1982	31/05/1966	22/06/1975	105	3	169		T	C	P	10/05/1982	DWR	DISC	COOLUMBOOKA RIVER
\$222013	01/01/1801	01/01/2101	12/06/1975	10/09/2013	30/04/1975	22/03/2011	165	13	225	R	T	C			DWR	SFP	SNOWY @ BURNT HUT
222014	01/01/1975	01/01/1986	10/06/1975	06/09/1985	10/06/1975	07/07/1983	110	3	92		T	C	P	06/09/1985	DWR	DISC	DELEGATE @ DELEGATE
222015	01/01/1975	01/01/2004	11/06/1975	31/03/2003	11/06/1975	05/12/1992	175	5	186						DWR	DISC	JACOBS LADDER
222016	01/01/1801	01/01/2101	17/03/1975	09/09/2013	17/03/1975	22/01/2011	145	10	247		T				DWR	PBM	PINCH R @ BARRY WAY
\$222017	01/01/1801	01/01/2101	31/08/1978	07/11/2013	31/08/1978	30/05/2010	135	8	181	R					DWR	PI	MACLAUGHLIN @ THE HU
222018	01/01/1947	01/01/1949							27					16/04/1948	DWR	DISC	BETTS CK @ CHALET RD

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\$222019	01/01/1801	01/01/2101	04/10/1995	19/11/2013	04/10/1995	31/05/2010	50	5	86	T					DWR PI	BOMBALA @ BOMBALA
222020					01/01/1997	01/01/1997	10	1	18					30/06/2006	DWR XFR	SNOWY D/S COBBIN CK
222021	01/01/1801	01/01/2101	03/12/2009	09/07/2013	01/01/1997	01/01/1997	10	1	19	T C					DWR WQR	SNOWY D/S MOWAMBA RV
222022					01/01/1997	01/01/1997	10	1	28					30/06/2006	DWR DISC	SNOWY D/S BLACKBURN
222023	01/01/1801	01/01/2101	22/04/1999	09/09/2013	01/01/1997	30/06/2007	25	3	86	R T C					DWR SFP	SNOWY RV @ WILLIS
222024														30/06/2006	DWR PJI	SNOWY @ SANDY POINT
222025														30/06/2006	DWR DISC	SNOWY @ BETE BOLONG
\$222026	01/01/1801	01/01/2101	04/06/1997	21/10/2013	04/06/1997	04/02/2008	25	4	103	R T C					DWR SFP	SNOWY @ DALGETY WEIR
\$222027	01/01/1801	01/01/2101	16/01/2002	21/10/2013	16/01/2002	16/01/2002	1	1	1	T C					DWR WQR	MOWAMBA @ LYWOOD
222028			02/12/2009	11/09/2013							T C				DWR WQR	EUCUMBENE US NIMMO B
222029			12/05/2008	15/02/2010					102						DWR UNCL	SNOWY AT IRONMONGIE
\$222029	01/01/1996	01/01/1999	17/08/1965	10/03/1999	01/01/1996	01/01/1996	7	1	25	R					VRW PJI	SNOWY MCKILLOPS BDGE
222400															SMA	REFER 222525
222401															SMA	REFER 222526
222501	01/01/1902	01/01/1968	24/05/1902	04/05/1967	23/05/1902	28/08/1954	303	10	333	T				17/04/1967	SMA XFR	SNOWY R @ JINDABYNE
222502	01/01/1944	01/01/1968							65					06/06/1967	SMA XFR	CRACKENBACK @ CREEL
222503	01/01/1944	01/01/1968							71					24/05/1967	SMA XFR	EUCUMBENE EASTBOUR
222504	01/01/1946	01/01/1960							46					08/07/1959	SMA XFR	GUNGARLIN SNOWY PLNS
222505	01/01/1949	01/01/1966							27					19/08/1965	SMA XFR	BURRUGBUGGE C'TANCE
222506	01/01/1947	01/01/1967							49					07/01/1966	SMA XFR	MOWAMBA DALGETY ROAD
222507	01/01/1947	01/01/1960							59					27/05/1959	SMA XFR	EUCUMBENE R KIANDR
222508	01/01/1948	01/01/1963							45					07/02/1962	SMA XFR	SNOWY R @ GUTHRIE
222509	01/01/1948	01/01/1968							54					18/04/1967	SMA XFR	SPENCERS @ PARALYS
222510	01/01/1948	01/01/1965							31					22/10/1964	SMA XFR	SNOWY @ ISLAND BEN
222511	01/01/1948	01/01/1962							25					11/01/1961	SMA XFR	CRACKENBACK BUNDIL
222512									22						SMA XFR	LTL THREDBO BUNDIL
222513	01/01/1951	01/01/1968	05/07/1991	17/03/1992					10						SMA XFR	PERISHER CK BLUE C
222514	01/01/1951	01/01/1955							5					01/10/1959	SMA XFR	SNOWY R @ MAGAZINE
222515	01/01/1952	01/01/1955												31/12/1958	SMA XFR	SNOWY R AT GUTHEGA
222516	01/01/1952	01/01/1956												31/01/1957	SMA XFR	PIPERS CK @SUMMIT
222517	01/01/1952	01/01/1967												10/06/1966	SMA XFR	CLUB LAKE CK @CLAR
222518	01/01/1953	01/01/1967												06/07/1966	SMA XFR	GUNGARLIN R DAM ST
222519	01/01/1953	01/01/1961												25/07/1960	SMA XFR	FINNS R AT MAGAZIN
222520	01/01/1953	01/01/1961												13/07/1960	SMA XFR	BOOGONG C DEAD HOR
222521	01/01/1953	01/01/1961							2					06/02/1960	SMA XFR	JACOBS R TIN MINE
222522	01/01/1953	01/01/1980							9						SMA XFR	EUCUMBENE P'VIDENC
222523	01/01/1954	01/01/1967												12/09/1966	SMA XFR	TOLBAR C @GREEN KN
222524	01/01/1954	01/01/1960												19/05/1959	SMA XFR	DEAD HORSE KIDMAN

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222525	01/01/1955	01/01/1964												11/11/1963	SMA	XFR	PINCH R AT LOOKOUT	
222526	01/01/1955	01/01/1964												11/11/1963	SMA	XFR	INGEEOODBEE TINMI	
222527	01/01/1955	01/01/1980													SMA	XFR	SNOWY R ^GUTHEGA DAM	
222528	01/01/1957	01/01/1959												30/04/1959	SMA	XFR	BALD MNT EUC'BENE	
222529															SMA	XFR	EUCUMBENE RV KALKI	
222530	01/01/1956	01/01/1959												30/06/1958	SMA	XFR	FARM CREEK AT CAMP	
222531	01/01/1956	01/01/1959												30/06/1958	SMA	XFR	GUTHEGA R @ SKI TO	
222532	01/01/1964	01/01/1983													SMA	XFR	SNOWY AB ISLAND BE	
222533	01/01/1957	01/01/1961												01/08/1960	SMA	XFR	TRACTOR BOG PERISH	
222534	01/01/1957	01/01/1961												01/08/1960	SMA	XFR	TAYLOR BOG PERISHE	
222535	01/01/1957	01/01/1961												01/08/1960	SMA	XFR	PIPERS C SMIGGIN H	
222536	01/01/1957	01/01/1961												26/07/1960	SMA	XFR	WRAGGES CK SUMMIT	
222537															SMA	XFR	SNOWY R GUTHEGA PO	
222538									1						SMA	XFR	LAKE EUCUMBENE	
222539															SMA	XFR	SNOWY ISLAND BEND	
222540															SMA	XFR	SNOWY R LAKE J'BYN	
222541									24						SMA	XFR	CRACKENBACK @ PADDYS	
222543															SMA	XFR	SNOWY ABV L JINDABYN	
222544															SMA	XFR	WOLLINDIBBY @GUNDARO	
222545	01/01/1995	01/01/1998	22/11/1995	11/11/1997	09/08/1995	09/08/1995	10	1	61	T	C	P		30/06/2006	DWR	DISC	SNOWY RV @ ROCKWELL	
222546															SMA		MOWAMBA @ PATS PATCH	
222989															SMA	ADH	FARM CK U/S GUTHEGA	
222999															SMA	ADH	ROCK CK. @ PERISHER	
22201010														31/12/2012	DWR	ADH	Snowy U/s Sugarloaf	
22201011														31/12/2012	DWR	ADH	Snowy at Wests Track	
22201012														31/12/2012	DWR	ADH	Thredbo @ Paddys Cnr	
22201013														31/12/2012	DWR	ADH	Buchan U/s Snowy Rv	
22201014														31/12/2012	DWR	ADH	Eucumbene U/s Nimmo	
22201015														31/12/2012	DWR	ADH	Eucumbene nr Montana	

BASIN 401 - UPPER MURRAY RIVER

401001	01/01/1905	01/01/1922													01/02/1921	SMA XFR	see 401549
401002	01/01/1913	01/01/1922													01/03/1921	DWR DISC	SWAMPY PL BRINGENB/G
401003	01/01/1913	01/01/1922													01/02/1921	DWR DISC	TOOMA R @ WARMBROOK
401004	01/01/1922	01/01/1930													31/03/1942	DWR DISC	MURRAY R @ DORA DORA
401005	01/01/1926	01/01/1986	27/02/1973	08/02/1985	06/07/1970	22/02/1983	150	11	330						08/02/1985	DWR DISC	TOOMA R @ POSSUM PT

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b H d d g					Discont. Date	Org. Net Code Class		NAME
401006	01/01/1946	01/01/1985	25/11/1969	14/03/1984	21/03/1972	08/08/1977	150	10	279						14/03/1984	DWR	DISC	PADDYS GRANITE FALLS
\$401007	01/01/1801	01/01/2101	30/07/1977	14/11/2013	04/05/1973	11/09/2005	60	16	366	T	C					DWR	SMS	TUMBARUMBA @ TUMBA2
\$401008	01/01/1801	01/01/2101	24/08/1971	26/11/2013	01/12/1947	15/10/2010	119	36	354	T	C					DWR	SPS	MANNUS @ TOOMA
\$401009	01/01/1801	01/01/2101	01/12/1947	13/11/2013	01/12/1947	01/11/1997	355	7	430	R	T	C				DWR	PI	MARAGLE @ MARAGLE
401010	01/01/1948	01/01/1965							101						31/01/1964	DWR	DISC	SWAMPY PLN KHANCOBAN
401011	01/01/1948	01/01/1962							52						09/11/1961	DWR	DISC	MURRAY R @ WALWA
\$401012	01/01/1801	01/01/2101	29/02/1968	11/11/2013	21/07/1948	21/05/2011	212	33	506	R	T	C				DWR	PPS	MURRAY @ BIGGARA
\$401013	01/01/1801	01/01/2101	07/11/1972	14/11/2013	30/06/1965	13/06/2013	202	39	446	R	T	C				DWR	PI	JINGELLIC @ JINGELLIC
\$401014	01/01/1801	01/01/2101	26/09/1969	27/11/2013	01/01/1955	26/08/2006	316	44	415	R	T	C				DWR	PPS	TOOMA @ PINEGROVE
\$401015	01/01/1801	01/01/2101	17/12/1973	26/11/2013	17/12/1973	04/03/2012	185	28	198	R						DWR	SMS	BOWNA @ YAMBLA
\$401016	01/01/1801	01/01/2101	15/06/1983	11/11/2013	15/06/1983	15/06/1983	100	1	140		T	C				DWR	PBM	WELUMBA @ THE SQUARE
\$401017	01/01/1801	01/01/2101	06/07/1983	14/11/2013	06/07/1983	15/10/2010	110	5	150		T	C				DWR	SMS	MANNUS @ YARRAMUNDI
401018									15						29/06/2012	DWR	DISC	MANNUS @ WALTEELA RD
401019	01/01/1997	01/01/1998	23/06/1997	17/01/2005	03/06/1997	03/06/1997	1	1	6	R	T	C			17/01/2005	DWR	DISC	M/GDRA @ MT CK RD
401020			23/06/1997	18/05/2012					3			T	C		07/09/2012	DWR	DISC	MULLENGANDRA @ KEOGH
401021	01/01/1999	01/01/2003	15/12/1999	26/06/2002	15/12/1999	11/02/2004	5	4	27						29/06/2012	DWR	DISC	MURRAY @ BRENTWOOD
401022			16/03/2001	31/12/2004	01/01/1900	01/01/1900	1	1	9						29/06/2012	DWR	DISC	WAGRA @ WYMAH
401023			16/05/2000	31/01/2002	01/01/1900	01/01/1900	1	1	17						29/06/2012	DWR	DISC	MUNDEROO @ MANNUS FL
\$401024	01/01/1801	01/01/2101	21/08/2003	12/11/2013	03/06/2003	11/09/2005	2	2	43		T	C				DWR	SPS	TUMBARUMBA @ BAKERS
401025									4						16/09/2004	DWR	DISC	MARAGLE CK @ TOOMA
\$401026	01/01/1801	01/01/2101	16/12/2003	13/11/2013	16/12/2003	06/04/2013	106	2	29		T	C				DWR	SMS	MARAGLE @ GLOAMING
\$401027	*		01/08/1969	09/12/2013								R				DWR	SFH	HUME DAM STORAGE
401028					01/01/1800	16/02/1988	105	4	16						30/06/2012	DWR	DISC	MARAGLE @ KARAKATANA
\$401029			16/06/2011	13/11/2013	16/06/2011	16/06/2011	1	1	12							DWR	CR	MANNUS @ GLENROY2
401202																VRW	XFR	MITTA @ MITTA
401210																VRW	XFR	LTL SNOWY BEL GRANIT
401211			04/08/1932	20/07/1969												VRW	XFR	MITTA @ COLEMANS
401223																VRW	XFR	MITTA @ ESKDALE
401501	01/01/1926	01/01/1983							140							SMA	XFR	SWAMPY PLN KHANCOBAN
401502	01/01/1948	01/01/1963							38						06/06/1962	SMA	XFR	SWAMPY PLAIN @ GEEHI
401503	01/01/1948	01/01/1968							38						08/06/1967	SMA	XFR	BOGONG @GEEHI
401504	01/01/1954	01/01/1962													12/12/1961	SMA	XFR	TOOMA @BYATTS HUT
401505	01/01/1950	01/01/1962							20						27/01/1961	SMA	XFR	TOOMA @TOOLONG XING
401506	01/01/1950	01/01/1962							15						11/12/1961	SMA	XFR	OGILVIES @ROUND MTN
401507	01/01/1948	01/01/1963							33						06/06/1962	SMA	XFR	GEEHI @GEEHI
401508	01/01/1953	01/01/1968													18/04/1967	SMA	XFR	COOTAPATAMBA @RAMSHE
401509	01/01/1953	01/01/1967													07/06/1966	SMA	XFR	WINDY @CORRIE'S END
401510	01/01/1953	01/01/1961													09/01/1960	SMA	XFR	BUCKWONG @GROGGIN S

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T a t t o u i m m n r p n m y n p p d b H d d g	W H O i u x D a t e	Discont.	Org. Net Code Class	NAME	
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug						
401511	01/01/1953	01/01/1967									07/06/1966	SMA	XFR	DICKY COOPER @HUT	
401512	01/01/1953	01/01/1968									05/05/1967	SMA	XFR	VALENTINE @THE GHOST	
401514	01/01/1953	01/01/1970									08/08/1969	SMA	XFR	MURRAY @TOM GROGGIN	
401515	01/01/1953	01/01/1962							11		12/12/1961	SMA	XFR	YELLOW BOG @OLD HUT	
401516	01/01/1953	01/01/1961									19/01/1960	SMA	XFR	SNOWY @GROGGIN EAST	
401517	01/01/1953	01/01/1968									16/06/1967	SMA	XFR	KHANCOBAN @BRADNEYS	
401518									13			SMA	XFR	TOOLONG @TSR XING	
401519	01/01/1954	01/01/1967									09/06/1966	SMA	XFR	WILKINSONS V @ABBOT	
401520	01/01/1954	01/01/1966									20/06/1965	SMA	XFR	BACK FLAT @GREY MARE	
401521	01/01/1954	01/01/1966									20/06/1965	SMA	XFR	ROCKY PLAIN @GR MARE	
401522	01/01/1954	01/01/1962									16/02/1961	SMA	XFR	BOGONG ABV ERROLS SP	
401523	01/01/1954	01/01/1967									06/07/1966	SMA	XFR	GEEHI ABV WATSONS GO	
401525												SMA	XFR	SPARKES @TOOMA JUNCT	
401526	01/01/1955	01/01/1960									05/09/1959	SMA	XFR	LEATHER BARREL @JUNC	
401527	01/01/1954	01/01/1961									19/01/1960	SMA	XFR	LEATHER BARREL @DFL	
401528	01/01/1954	01/01/1960									02/05/1959	SMA	XFR	MARAGLE @NEW MARAGLE	
401533	01/01/1956	01/01/1962									12/12/1961	SMA	XFR	SHINGLE @CLOVER FLAT	
401535	01/01/1955	01/01/1963									06/06/1962	SMA	XFR	WATERFALL @EVERARDS	
401536	01/01/1955	01/01/1961									25/08/1960	SMA	XFR	FREEDAMPER @COWRA SA	
401537	01/01/1955	01/01/1961									26/01/1960	SMA	XFR	TINMINE ABV THE FALL	
401539	01/01/1955	01/01/1965									09/10/1964	SMA	XFR	LADY N'THCOTES C'Y	
401540	01/01/1955	01/01/1960									26/05/1959	SMA	XFR	TOOMA BEL HELLHOLE C	
401541	01/01/1955	01/01/1964									11/11/1963	SMA	XFR	MURRAY D/S TINMINE	
401542	01/01/1955	01/01/1961									04/02/1960	SMA	XFR	LIMESTONE @BENAMBRA	
401543	01/01/1955	01/01/1961									04/02/1960	SMA	XFR	UPPER INDI BEL PILOT	
401544	01/01/1957	01/01/1963									22/06/1962	SMA	XFR	THREE ROCKS @TATE W	
401545	01/01/1957	01/01/1963									04/05/1962	SMA	XFR	GEEHI ABOVE WINDY	
401546												SMA	XFR	SWAMPY PL @PENDERGAS	
401547												SMA	XFR	SWAMPY PL @FOOTBRIDG	
401548	01/01/1963	01/01/1966										SMA	XFR	SWAMPY PL NEAR ROAD	
\$401549	01/01/1801	01/01/2101	01/10/1983	12/11/2013	23/02/1956	23/02/1956	30	1	18				DWR	PPS	MURRAY @ BRINGENBONG
401550	01/01/1961	01/01/1962											SMA	XFR	MURRAY R @ TOWONG BR
401551	01/01/1957	01/01/1969											SMA	XFR	MURRAY R @ TINTALDRA
401552	01/01/1956	01/01/1962									12/12/1961	SMA	XFR	REARDONS NR TOOMA DA	
401553	01/01/1957	01/01/1963									20/02/1962	SMA	XFR	MIDDLE BEL THE TWINS	
401554	01/01/1959	01/01/1980											SMA	XFR	TOOMA ABV TOOMA RES
401555	01/01/1959	01/01/1968									01/06/1967	SMA	XFR	OGILVIES ABV OGILVIE	
401556	01/01/1913	01/01/1962									04/08/1961	SMA	XFR	MURRAY @ INDI BRIDGE	

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b h d d g					Discont. Date	Org. Net Code Class	NAME
401557																SMA XFR	SWAMPY PL @BAILEY BR
401558	01/01/1959	01/01/1967							63						18/02/1966	SMA XFR	KHANCOBAN BLYTH BECK
401560	01/01/1962	01/01/1983														SMA XFR	GEEHI ABV GEEHI RES
401561																SMA XFR	SWAMPY PL @DAMSITE
401562																SMA XFR	MURRAY D/S JEREMAL
401563																SMA XFR	SWAMPY PL @CHISHOLMS
401565																SMA XFR	TOOMA @TOOMA RESVOIR
401566																SMA XFR	OUTSTATION @PONDAGE
401567																SMA XFR	OGILVIES @PONDAGE
401568																SMA XFR	DEEP CREEK @PONDAGE
401569																SMA XFR	SWAMPY PL @KHANCOBAN
401570																SMA XFR	GEEHI @GEEHI RESERVO
401571																SMA XFR	KHANCOBAN @MURRAY 2
401572																SMA XFR	MURRAY D/S TOOMA R
40110008			28/06/2000	31/10/2002	01/01/1900	01/01/1900	1	1	19						16/06/2011	DWR DISC	MANNUS @ GLENROY
40110065																DWR XFR	D/S BULHEAD CONF.

BASIN 409 - MURRAY RIVERINA

\$409001	01/01/1801	01/01/2101	08/10/1867	29/11/2013	01/01/1908	01/01/1976	100	21	141	T C						DWR SFH	MURRAY @ ALBURY
\$409002	01/01/1801	01/01/2101	12/07/1909	25/11/2013	01/01/1894	09/09/2010	240	65	863	T C						DWR SFP	MURRAY @ COROWA
\$409003	01/01/1801	01/01/2101	01/11/1870	18/10/2013	01/01/1800	09/09/2013	99	32	225	T C						DWR SFP	EDWARD @ DENILIQUIN
409004	01/01/1905	01/01/1938							46						31/12/1937	DWR DISC	MURRAY R @ MULWALA
\$409005	01/01/1801	01/01/2101	01/01/1913	04/11/2013	01/01/1900	14/10/2010	282	20	515	T C						DWR SFP	MURRAY R @ BARHAM
\$409006	01/01/1801	01/01/2101	03/11/1914	01/10/2013	01/01/1800	01/03/1986	105	5	101							DWR CH	MURRAY R @ GULPA
409007	01/01/1918	01/01/1947							24						31/12/1947	DWR DISC	BULLATALE @ OFFTAKE
\$409008	01/01/1801	01/01/2101	01/08/1957	01/10/2013	23/11/1918	23/04/2007	190	42	503	T C						DWR SFP	EDWARD R @ OFFTAKE
409009	01/01/1936	01/01/1949							21						30/09/1983	DWR DISC	EAGLE CK @ OFFTAKE
409010	01/01/1922	01/01/1940	25/08/1922	31/10/1939	01/01/1800	01/01/1933	20	5	35						31/10/1939	DWR DISC	TUPPAL CK @ OFFTAKE
\$409011	* 01/01/1921	01/01/1926	01/08/1969	18/01/2005					25						15/08/2002	DWR DISC	HUME DAM
409012	01/01/1922	01/01/1952							67						31/07/1951	DWR DISC	MURRAY R @ BARMAN
\$409013	01/01/1801	01/01/2101	03/01/1975	19/10/1998	09/10/1973	21/10/2013	508	67	592	T C						DWR SFP	WAKOOL @ STONEY KING
\$409014	01/01/1801	01/01/2101	01/11/1870	18/11/2013	01/01/1915	27/03/2012	360	41	553	T C						DWR SFS	EDWARD R @ MOULAMEIN
409015	01/01/1927	01/01/1994	01/01/1979	17/12/1993	08/02/1927	01/01/1979	100	2	29						31/10/1959	DWR DISC	GULPA CK @ MATHOURA
\$409016	01/01/1801	01/01/2101	27/06/1969	04/12/2013	01/01/1800	29/02/2008	205	22	1085	T C						DWR SFP	MURRAY @ HEYWOODS
\$409017	01/01/1801	01/01/2101	18/05/1961	04/12/2013	23/08/1929	07/02/2007	445	99	1423	T C						DWR SFP	MURRAY @ DOCTORS PNT
409018									55						10/01/1971	DWR DISC	WODONGA CK WODONGA

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b H d d g					Discont. Date	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug					Code		Class		
\$409019	01/01/1801	01/01/2101	01/02/1936	11/11/2013	01/01/1800	24/12/2010	227	41	438						DWR	SFS	WAKOOL R OFFTAKE REG	
\$409020	01/01/1801	01/01/2101	01/02/1936	04/10/2013	01/01/1800	02/03/2012	197	72	483						DWR	SFS	YALLAKOOL C @ OFFTAK	
\$409021	01/01/1801	01/01/2101	01/05/1938	24/10/2013	01/01/1800	01/01/1800	1	1	1						DWR	SFH	WAKOOL MAIN CANAL OT	
\$409022	01/01/1801	01/01/2101	01/05/1938	24/10/2013					267						DWR	SFS	WAKOOL MAIN CANAL OT	
\$409023	01/01/1801	01/01/2101	01/02/1936	04/10/2013	01/01/1800	21/02/2012	269	30	455	R	T	C			DWR	SFP	EDWARD R D/S STEVEN	
\$409024	01/01/1801	01/01/2101	22/10/1929	04/10/2013	01/01/1800	29/12/2009	206	41	498						DWR	SFS	COLLIGEN C B/L REGUL	
\$409025	01/01/1801	01/01/2101	03/07/1939	04/10/2013	03/03/1960	31/08/2005	369	56	906		T	C			DWR	SFP	MURRAY @ YARRAWONGA	
\$409026	01/01/1801	01/01/2101	11/06/1997	09/08/2013	01/06/1985	09/08/1999	140	9	495						DWR	SFP	MULWALA MN CNL OT	
409027	01/01/1940	01/01/1959			07/06/1940	01/07/1953	8	8	65					31/08/1958	DWR	DISC	EDWARD @ GANNON FARM	
409028									20					31/12/1957	DWR	DISC	LT MURRAY R OFFTAKE	
\$409029	01/01/1801	01/01/2101	15/09/1941	03/12/2013	01/01/1800	02/08/2002	105	4	175		T	C			DWR	SFS	ESC FR MULWALA EDW R	
\$409030	01/01/1801	01/01/2101	03/11/1914	01/10/2013	08/11/1914	11/12/2008	142	43	505						DWR	SFS	GULPA CK @ OFFTAKE	
409031	01/01/1954	01/01/1969			21/07/1954	01/09/1966	3	3	111					24/06/1969	DWR	DISC	LT MERRAN C HEYWOOD	
409032	01/01/1954	01/01/1958							5					31/10/1957	DWR	DISC	EDWARD @ WAKOOL JTN	
409033									7					20/04/1961	DWR	DISC	MURRAY ROBINSONS BND	
409034	01/01/1956	01/01/1995	21/07/1986	14/01/1994	01/01/1956	01/01/1956	100	1	12						DWR	CF	WAKOOL R @ KYALITE	
\$409035	01/01/1801	01/01/2101	20/10/1966	22/11/2013	01/01/1800	21/08/2008	198	31	825		T	C			DWR	SFP	EDWARD R @ LIEWAH	
\$409036	01/01/1801	01/01/2101	20/04/1966	19/11/2013	29/08/1957	30/03/2011	213	73	360		T	C		O	DWR	SFS	MERRAN CK U/S WAK JN	
\$409037	01/01/1801	01/01/2101	17/02/1967	17/09/2013	26/01/1967	26/01/1967	100	1	3		T	C			DWR	SFH	MURRAY @ HOWLONG	
409038			06/09/1989	12/01/2004											DWR	PRH	MURRAY ANABR SHANTY	
409039			06/09/1989	12/01/2004					1						DWR	PRH	MURRAY @ WIDGEON	
409040			06/09/1989	12/01/2004											DWR	PRH	MURRAY @ JILLAMATONG	
409041			06/09/1989	02/03/2004					5						DWR	PRH	MURRAY @ KENSAL GREE	
409042			06/09/1989	02/03/2004					2						DWR	PRH	MURRAY @ MAYFIELD	
409043			06/09/1989	02/03/2004					3						DWR	PRH	MURRAY @ 12 ML RES	
\$409044	01/01/1801	01/01/2101	22/02/1972	27/11/2013	01/01/1800	03/10/2010	202	30	223		T	C		O	DWR	SFS	LT MERRAN FRANK/ BR	
\$409045	01/01/1801	01/01/2101	24/05/1988	28/11/2013	01/01/1800	03/01/2011	130	14	153		T	C			DWR	SFP	WAKOOL WAKOOL-BAR RD	
409046	01/01/1990	01/01/1997	01/05/1990	17/01/1996	04/02/1970	01/01/1995	124	12	85		T	C		25/11/1996	MIL	XFR	NIEMUR D BAR-MOUL RD	
\$409047	01/01/1801	01/01/2101	01/01/1989	03/10/2013	01/01/1800	23/12/2010	138	13	127		T	C			DWR	SFS	EDWARD R @ TOONALOOK	
\$409048	01/01/1801	01/01/2101	23/08/1983	21/10/2013	01/01/1800	03/03/2008	140	14	148		T	C		O	DWR	SFS	NIEMUR R BARH-MLN RD	
409049									23					31/10/1939	DWR	DISC	WOODLANDS WODONGA WT	
409050									2					22/06/1993	DWR	DISC	MULWALA CANAL @ DR	
409051	01/01/1985	01/01/1990	19/12/1985	24/01/1989	19/12/1985	24/06/1987	160	12	67					06/03/1989	DWR	DISC	DC LALALTY LOCKH/T R	
409052	01/01/1985	01/01/1991	19/12/1985	03/05/1990	19/12/1985	15/11/1988	135	8	86					01/05/1990	DWR	DISC	DC LALALTY WOOLSHD R	
409053	01/01/1985	01/01/1997	19/12/1985	30/01/1996	19/12/1985	13/06/1991	125	6	96	R	T	C		30/01/1996	MIL	XFR	DC LALALTY @ RAIL BR	
409054	01/01/1985	01/01/1987			19/12/1985	05/02/1987	110	3	50					23/10/1989	DWR	DISC	LALALTY 1 ARM UP JNC	
409055	01/01/1985	01/01/1990	20/12/1985	07/03/1989	20/12/1985	20/12/1985	100	1	57			C		07/03/1989	DWR	DISC	TUPPAL CK @ OLD TOC	
\$409056	01/01/1801	01/01/2101	18/12/1985	18/10/2013	01/01/1800	13/03/2012	311	27	134	R	T	C			DWR	SFP	TUPPAL @ ARATULA RD	

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b h d d g					Discont. Date	Org. Net Code Class	NAME
409057	01/01/1985	01/01/1994	18/12/1985	16/06/1993	18/12/1985	10/04/1989	140	6	59	R					16/06/1993	MIL XFR	BOX CREEK @ BLIGHTY
409058	01/01/1985	01/01/1997	17/12/1985	18/01/1996	17/12/1985	27/09/1992	135	7	91	R					18/01/1996	MIL XFR	BOX CK AT CONARGO RD
409059	01/01/1985	01/01/1987			17/12/1985	03/01/1986	105	2	31						05/12/1989	DWR DISC	BOX D/S BARRATTA DAM
409060	01/01/1985	01/01/1990	17/12/1985	26/10/1989	17/12/1985	24/03/1988	130	7	28						26/10/1989	DWR DISC	NTH DENI DR @ HAY R
\$409061	01/01/1801	01/01/2101	23/08/1983	09/10/2013	01/01/1800	21/08/2012	141	23	101		T C					DWR SFP	WAKOOL R COONAMIT BR
\$409062	01/01/1801	01/01/2101	23/08/1983	21/11/2013	01/01/1800	18/08/2012	138	16	102		T C					DWR SFP	WAKOOL R GEEGEE BR 2
409063									1						01/01/1996	MIL XFR	B'RIGAN CH J'DERIE R
409064									16						01/01/1996	MIL XFR	BERRIGAN CH @ DROP
409065	01/01/1986	01/01/1996	12/06/1986	25/01/1995	11/03/1986	07/09/1993	105	2							01/01/1996	MIL XFR	P'LINE 3100 @TERMINA
409066	01/01/1989	01/01/2004	01/12/1989	16/03/2004	01/01/1800	05/10/2000	111	4	47						16/03/2004	DWR DISC	LOWER TOUPNA CK @ RE
409067	01/01/1986	01/01/1993	21/03/1986	06/08/1992	21/03/1986	20/10/1989	100	2							18/09/1995	DWR DISC	ESC FROM DENIBOOTA @
409068	01/01/1983	01/01/1993	23/08/1983	02/07/1992	27/09/1989	27/09/1989	100	1	18						06/08/1996	DWR DISC	NEIMUR @ NBC SYPHON
409069	01/01/1991	01/01/1994	27/03/1991	16/06/1993	01/05/1990	01/05/1990	100	1	10	R					16/06/1993	DWR DISC	DC ULUPNA U/S BOX CK
\$409070	01/01/1991	01/01/1997	20/03/1991	09/09/1996	01/08/1990	04/04/1996	101	2	26	R					09/09/1996	DWR DISC	DC LALALTY @ LALALTY
409071	01/01/1983	01/01/1997	23/08/1983	19/11/1996	01/01/1989	04/04/1990	105	2	22						20/07/1994	DWR DISC	NIEMUR @ NACURRIE RD
409072	01/01/1983	01/01/1995	23/08/1983	31/12/1993	01/01/1800	01/01/1989	100	3	13						07/08/1996	DWR DISC	WAKOOL R @ DENI RD
409073	01/01/1991	01/01/1996	25/07/1991	06/06/1995	27/03/1990	28/07/1995	99	2	16						06/06/1995	MIL XFR	WAKOOL OUTFALL DRAIN
409074			24/03/1992	31/10/1995											31/10/1995	MIL XFR	D/BOOTA-GREEN GULLY
\$409075	01/01/1801	01/01/2101	20/11/1991	18/10/2013	01/01/1800	30/08/2011	148	12	81		T C					DWR SFS	BULLATALE U/S EDWARD
409076			29/01/1993	20/09/1995					6		T C				20/09/1995	MIL XFR	WOLLAMI E. @ OUTFALL
409077	01/01/1993	01/01/2006	16/02/1993	31/10/2005	16/02/1993	16/02/1993	100	1	10		T C				09/01/1996	MIL XFR	FINLEY ESC @ OUTFALL
409078															17/06/1993	DWR DISC	WOODBURY
409079															17/06/1993	DWR DISC	AVALON ROAD
409080			26/02/1993	16/06/1993							T C				05/03/1993	DWR DISC	BLIGHTY RETR-BLIGHTY
409081			28/01/1993	16/06/1993							T C				16/06/1993	DWR DISC	DC WOODB @ BOX CK ES
409082			16/02/1993	16/06/1993							T C				16/06/1993	DWR DISC	DC WOOD N. U/S BOX E
409083	01/01/1993	01/01/1997	21/04/1993	29/01/1996	21/04/1993	07/09/1995	25	6	10		C				29/01/1996	MIL XFR	DENIBOOTA U/S YALLAK
409084			21/04/1993	29/01/1996					9		C				29/01/1996	MIL XFR	YALLAKOOL CHAN U/S D
409085			15/06/1994	13/11/1995					6		T C				13/11/1995	DWR DISC	BOX CK U/S ORO RD
\$409086	01/01/1801	01/01/2101	21/06/1994	20/11/2013	01/01/1800	14/01/2011	151	13	108		T C		O			DWR SFP	NIEMUR @ MALLAN SCH
409087	01/01/1994	01/01/1996	01/09/1994	30/05/1995	01/09/1994	03/02/1995	105	3	8						30/05/1995	MIL XFR	FINLEY ESC D/S COREE
409088	01/01/1994	01/01/2001	02/11/1994	07/12/2000	02/11/1994	02/11/1994	100	1	11		T				07/12/2000	DWR DISC	WAKOOL @ BRASSI RD.
409089			06/06/1995	18/01/1996					3		T C				18/01/1996	MIL XFR	WOLLAMAI U/S B'BONG
409090	01/01/1995	01/01/1997	15/11/1995	24/01/1996	15/11/1995	15/11/1995	10	1	3		T C				24/01/1996	MIL XFR	BOX @ MOORA PARK
409091	01/01/1996	01/01/2012	10/07/1996	01/10/2011	01/01/1800	12/09/2003	27	11	10						30/06/2012	DWR DISC	POON BOON
409092																MIL XFR	BACK BAROOGA DRAIN
409093			15/10/1996	18/12/1996											18/12/1996	DWR DISC	MUR/YARR CK@B/M RD.
409094			17/10/1996	27/11/1996					2						27/11/1996	DWR DISC	COW CREEK @ B/M RD.

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O	Discont.	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	Date	Code	Class	
409095			15/10/1996	27/11/1996							27/11/1996	DWR	DISC	YARREIN CK @ B/M RD.
409096			15/10/1996	27/11/1996							27/11/1996	DWR	DISC	MERRAN CK @ SH-ML RD
409097			15/10/1996	27/11/1996							27/11/1996	DWR	DISC	YARREIN CK @ SH/ML R
\$409098	01/01/1801	01/01/2101	17/11/1998	21/11/2013	01/01/1800	16/10/2013	161	38	92	T		DWR	SFS	WADDY CK D/S REGULAR
409099			01/10/2001	27/10/2001	01/01/1900	01/01/1900	1	1	1		27/11/2001	DWR	DISC	D/MANS @ BUNGOWANNAH
409101												DWR	CH	EDWARD U/S STEVENS W
409102											09/01/1996	MIL	XFR	SEE 409077
409105			18/03/2003	04/07/2006	01/01/1800	01/01/1800	1	1			04/07/2006	DWR	DISC	YALLAKOOL U/S REG.
409106											01/07/2006	DWR	DISC	MULLIGANS @ WETUPPA
409107	01/01/1801	01/01/2101	07/06/2006	21/11/2013	07/06/2006	06/10/2010	30	13	32			DWR	SFS	ST HELENA DS REGULAT
\$409108													XFR	MURRAY @ MULWALA OT
409109			28/09/2011	23/05/2012					3			DWR	PJI	THULE @ LOW THULE RD
409110			28/09/2011	24/05/2012					2			DWR	PJI	BARBER @ MOULA RD
409111			28/09/2011	24/05/2012					3			DWR	PJI	BARBER @ SANDY BR.
409112												DWR	PJI	CALF @ MOULA RD
409202			01/11/1870	20/11/2000	07/07/1977	15/07/2007	59	5	63		01/12/1963	VRW	XFR	MURRAY R @ TOCUMWAL
409219												VRW	XFR	MURRAY TORRUMB'Y L26

BASIN 410 - MURRUMBIDGEE RIVER

\$410001	01/01/1801	01/01/2101	02/01/1844	29/07/2013	01/01/1892	21/08/2006	145	63	689	T C B		DWR	SFP	M/BIDGEE R @ WAGGA
410002	01/01/1887	01/01/1983	21/06/1952	07/08/1995	01/01/1904	10/05/1978	120	70	543		15/02/1982	DWR	DISC	MURRUMBIDGEE @ HAY
410003	01/01/1907	01/01/1980	01/01/1907	18/08/1983	12/01/1920	07/02/1978	125	29	387		12/04/1979	DWR	DISC	M/BIDGEE @ BALRANALD
\$410004	01/01/1801	01/01/2101	26/06/1852	17/10/2013	01/07/1886	06/06/2002	140	54	903	T C B		DWR	SFP	M/BIDGEE @ GUNDAGAI
\$410005	01/01/1801	01/01/2101	01/06/1891	23/10/2013	01/10/1915	09/09/2006	160	81	913	T		DWR	SFP	M/BIDGEE NARRANDERA
\$410006	01/01/1801	01/01/2101	26/08/1983	06/11/2013	27/04/1892	04/03/2012	260	65	882			DWR	SFP	TUMUT RIVER @ TUMUT
\$410007	01/01/1801	01/01/2101	20/10/1961	04/10/2013	01/08/1912	01/08/2010	165	91	829			DWR	SFP	YANCO CK @ OFFTAKE
\$410008	01/01/1801	01/01/2101	18/07/1961	29/08/2013	18/07/1961	15/09/1999	27	3	280	T C B		DWR	SFP	M/BIDGEE D/S B/JUCK
410009	01/01/1908	01/01/1968							253		29/04/1968	DWR	DISC	JOUNAMA CK @ TALBING
410010	01/01/1910	01/01/1960							74		29/05/1959	DWR	DISC	YARRANGOBILLY RIVER
410011	01/01/1910	01/01/1930			05/05/1910	08/10/1930	2	2	39		25/04/1938	DWR	DISC	TUMUT R AB JOUNAMA C
\$410012	01/01/1801	01/01/2101	07/05/1973	17/10/2013	06/08/1948	11/01/2005	130	7	286	T C		DWR	SMS	BILLAB/G COCKETGED/G
\$410013	01/01/1912	01/01/1961			01/01/1965	20/03/2012	130	8	459			DWR	SFP	MAIN CANAL @ BEREMBE
\$410014	01/01/1801	01/01/2101	01/10/1978	08/10/2013	25/05/1973	01/04/2010	140	19	597			DWR	SFP	COLOMBO @ MORUNDAH
\$410015	01/01/1801	01/01/2101	07/03/1977	08/10/2013	27/02/1973	16/12/2011	161	23	605			DWR	SFP	YANCO CK @ MORUNDAH
\$410016	01/01/1801	01/01/2101	01/08/1912	10/10/2013	01/08/1912	12/10/2011	121	49	426			DWR	SFP	BILLABONG JERILDERIE
\$410017	01/01/1801	01/01/2101	08/06/1913	12/11/2013	01/01/1800	23/02/2013	175	23	388			DWR	SFP	BILLABONG @ CONARGO
410018	01/01/1913	01/01/1963			01/07/1923	01/01/1962	30	29	79		31/08/1962	DWR	DISC	YANCO CK @ MOONBRIA

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410019	01/01/1914	01/01/1930			10/12/1913	31/10/2006	25	9	113			DWR CR	LT GILMORE @ BATLOW
410020	01/01/1914	01/01/1933			01/01/1914	01/07/1931	4	4	44		30/06/1932	DWR DISC	GILMORE CK @ BATLOW
\$410021	01/01/1801	01/01/2101	05/07/1956	20/09/2013	01/02/1970	06/08/2010	160	15	581			DWR SFP	M/BIDGEE DARL/GTON P
410022	01/01/1914	01/01/1951	29/08/1974	12/07/1991	01/07/1919	04/02/1946	110	33	103		01/09/2006	DWR DISC	MURRUMBIDGEE JUGIONG
\$410023	01/01/1801	01/01/2101	01/01/1913	23/10/2013	01/12/1960	15/09/2005	125	10	252	T C		DWR SFP	M/BIDGEE D/S B/BED
\$410024	01/01/1801	01/01/2101	19/09/1914	01/11/2013	19/09/1914	04/03/2012	30	30	453	T C		DWR PPS	GOODRADIGBEE WEEJSPR
\$410025	01/01/1801	01/01/2101	01/02/1914	27/11/2013	02/08/1915	23/11/2007	448	49	416	R T C		DWR PPS	JUGIONG CK @ JUGIONG
\$410026	01/01/1801	01/01/2101	24/08/1915	03/10/2013	01/08/1915	01/12/2006	212	12	331			DWR PI	YASS RIVER @ YASS
410027	01/01/1918	01/01/1931							30		31/05/1930	DWR DISC	M/BIDGEE @ YEUMBURRA
410028	01/01/1918	01/01/1932			27/03/1918	01/09/1931	7	7	77		31/08/1931	DWR DISC	G/DRADIGBEE B/BELLAL
410029	01/01/1922	01/01/1978	02/10/1952	24/03/1977	01/01/1927	01/06/1975	29	30	272		24/03/1977	DWR DISC	BUDDONG CK @ BUDDONG
410030	01/01/1922	01/01/1950			23/06/1922	23/08/1946	7	8	43		31/01/1950	DWR DISC	BILLABONG @ WINDOURA
410031									6		31/01/1950	DWR DISC	10 MILE CK HOLBROOK1
410032	01/01/1925	01/01/1953			05/12/1925	15/03/1968	35	35	96		01/03/1954	DWR DISC	TUMUT RV @ TALBINGO2
\$410033	01/01/1900	31/12/2100	01/02/1916	05/09/2013	01/01/1916	10/02/2007	145	58	589			DWR SFP	M/BIDGEE @ MITTAGANG
410034	01/01/1926	01/01/1959							122		28/02/1958	DWR DISC	GILMORE CK @ BATLOW
410035	01/01/1927	01/01/1982	11/04/1974	17/09/1981	28/01/1927	08/01/1974	56	53	401		31/12/1983	DWR DISC	M/BIDGEE R @ COTTER
\$410036	01/01/1801	01/01/2101	04/08/1958	08/10/2013	02/10/1970	14/05/2001	200	21	679			DWR CR	M/BIDGEE D/S YANCO W
410037	01/01/1914	01/01/1941			08/08/1929	19/09/1937	1	3	27		26/02/1943	DWR DISC	COLOMBO CK @ COLOMBO
\$410038	01/01/1801	01/01/2101	31/05/1967	24/07/2013	22/04/1932	15/07/2010	325	75	534	T		DWR PI	ADJUNGBILLY D'BALARA
\$410039	01/01/1801	01/01/2101	28/08/1970	05/09/2013	06/05/1932	09/05/2007	250	55	456	T		DWR SFP	TUMUT @ BRUNGLE BDGE
\$410040	01/01/1801	01/01/2101	10/06/1974	18/09/2013	06/03/1971	13/08/2010	211	24	504			DWR SFP	M/BIDGEE D/S MAUDE W
410041	01/01/1801	01/01/2101	01/12/1952	03/12/2013	23/11/1955	08/10/2010	122	45	485			DWR CR	M/BIDGEE D/S REDBANK
410042	01/01/1938	01/01/1943			07/06/1938	22/05/1942	12	12	70		26/05/1947	DWR DISC	ADELONG CK @ ADELONG
\$410043	01/01/1801	01/01/2101	21/08/1984	05/11/2013	03/05/1938	11/09/2005	115	14	133	T C		DWR PPS	HILLAS @ MOUNT ADRAH
\$410044	01/01/1801	01/01/2101	05/05/1938	30/09/2013	01/05/1938	04/03/2012	533	33	400	T C		DWR PI	MUTTAMA CK @ COOLAC
410045	01/01/1938	01/01/1986	30/07/1971	01/01/1985	13/06/1938	26/01/1984	125	7	112		04/01/1985	DWR DISC	BILLABUNG @ SUNNYSID
410046	01/01/1938	01/01/1969	31/12/1955	14/02/1961	03/11/1938	15/01/1951	4	2	171		30/06/1973	DWR DISC	YASS U/S RAIL WEIR
\$410047	01/01/1801	01/01/2101	06/10/1976	05/11/2013	01/05/1938	04/03/2012	537	38	458	T C		DWR PPS	TARCUTTA @ BORAMBOLA
\$410048	01/01/1801	01/01/2101	10/05/1938	04/11/2013	10/05/1938	04/03/2012	135	49	252	T C B		DWR PPS	KYEAMBA @ LADYSMITH
410049									13		06/02/1961	DWR DISC	FOREST CK CONARGO RD
\$410050	01/01/1900	31/12/2100	13/02/1939	04/07/2013	11/04/1939	12/07/2005	65	30	432	T B		DWR PPS	M/BIDGEE BILLILINGRA
410051	01/01/1939	01/01/1951			13/01/1939	07/08/1953	16	16	69		30/06/1954	DWR DISC	NUMERALLA @ NUMERALL
410052	01/01/1939	01/01/1964			17/01/1939	16/09/1959	12	12	152		31/12/1963	DWR DISC	MURRUMBIDGEE @ YAOUK
410053	01/01/1940	01/01/1979	18/12/1969	14/07/1978	13/06/1940	11/04/1977	145	60	282		30/06/1978	DWR DISC	BILLABONG CK @ BUNDY
410054	01/01/1940	01/01/1969			27/09/1940	28/10/1971	20	20	192		31/03/1978	DWR DISC	BILLABONG @ BOONKE
410055	01/01/1941	01/01/1997	19/01/1989	25/11/1996	01/06/1940	20/03/1985	105	22	156		27/11/1996	DWR XFR	MAIN DR J DS WBN ESC
410056	01/01/1943	01/01/1948			17/08/1943	17/08/1943	1	1	13		01/07/1948	DWR DISC	COLOMBO CR @ WHITBYS

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O				Discont.	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	i m m n r p n m y	D a t e	D a t e		Code	Class	
\$410057	01/01/1900	31/12/2100	24/05/1957	10/12/2013	18/12/1944	04/03/2012	130	21	509	R	T	C			DWR	PI	GOOBA/GNDRA LACMALAC
\$410058	01/01/1801	01/01/2101	31/12/1977	16/08/2013	01/06/1946	09/12/2002	115	14	323						DWR	PPS	TARCUTTA @ WESTBROOK
410059	01/01/1801	01/01/2101	01/01/1948	01/11/2013	13/06/1946	29/01/2003	140	51	455		T				DWR	CR	GILMORE @ GILMORE
\$410060	01/01/1947	01/01/1960			27/11/1946	01/06/2004	105	7	94						DWR	CH	NIMMING POLLEN OFTKE
\$410061	01/01/1801	01/01/2101	11/09/1947	05/11/2013	01/09/1947	11/09/2005	175	15	376		T	C			DWR	PI	ADELONG @ BATLOW RD
\$410062	01/01/1900	31/12/2100	01/12/1947	13/09/2013	01/01/1947	27/06/1992	150	15	420						DWR	PI	NUMERALLA SCHOOL
410063	01/01/1948	01/01/1986	01/01/1975	01/01/1985	13/05/1948	25/06/1975	455	70	273				17/01/1985		DWR	DISC	ROCK FLAT CK @ BUNYA
410064	01/01/1948	01/01/1958	14/05/1948	23/01/1957	14/05/1948	13/03/1956	12	2	32				16/12/1956		DWR	DISC	COOMA CK @ COOMA NO1
410065	01/01/1948	01/01/1969							167				26/08/1968		DWR	DISC	TUMUT RV @ TALBINGO
410066	01/01/1951	01/01/1986	23/06/1976	01/07/1985	31/05/1951	18/09/1980	175	38	286				26/06/1985		DWR	DISC	NACKI NACKI @ TRURO
410067	01/01/1952	01/01/1986	22/10/1971	18/01/1985	16/01/1952	21/03/1978	160	30	289						DWR	PRHG	BIG BADJA @ NUMERALL
\$410068	01/01/1801	01/01/2101	22/01/1954	02/10/2013	15/01/1954	04/03/2012	6	6	128		T	C			DWR	SFP	M/BIDGEE @ GLENDALE
410069	01/01/1954	01/01/1964			18/01/1954	06/12/1962	13	13	56				15/08/1963		DWR	DISC	JUGIONG @ CUMBUMURRA
410070	01/01/1954	01/01/1986	01/12/1979	01/01/1985	21/01/1954	16/04/2005	235	71	366						DWR	CR	BOMBOWLEE CREEK
410071	01/01/1954	01/01/1985	16/12/1970	17/09/1984	27/01/1954	26/01/1984	140	9	304				04/12/1984		DWR	DISC	BRUNGLE CK @ RED HIL
410072	01/01/1954	01/01/1959			30/05/1951	08/10/1959	8	8	42				30/08/1960		DWR	DISC	YAVEN CR @ BILLAPALA
\$410073	01/01/1801	01/01/2101	28/05/1954	06/11/2013	12/03/1954	28/05/2006	260	31	550		T	C			DWR	SFP	TUMUT @ ODDYS BDGE
410074									23				28/04/1960		DWR	DISC	NUMERALLA KYDRA REEF
410075	01/01/1954	01/01/1985	01/01/1976	28/07/1984	01/01/1976	21/03/1983	115	4	244						DWR	PRHG	KYBEYAN R @ KYBEYAN
410076	01/01/1801	01/01/2101	17/09/1974	11/09/2013	07/02/1971	08/02/2002	205	18	405						DWR	PI	STRIKE-A-LIGHT CREEK
410077	01/01/1954	01/01/1986	01/01/1964	30/07/1985	27/08/1954	16/03/1979	140	45	252	R					DWR	PRHG	BREDBO RV @ LAGUNA
\$410078	01/01/1801	01/01/2101	13/11/1969	18/09/2013	27/10/1954	16/09/2010	112	13	195						DWR	CR	M/BIDGEE @ CARRATHOO
410079					18/11/1954	18/11/1954	4	1	76				07/06/1994		DWR	DISC	M/BIDGEE @ BURRABOGI
410080	01/01/1956	01/01/1972			23/10/1956	13/11/1970	14	14	51				27/07/1971		DWR	DISC	BILLABUNG @ GLENFIEL
410081	01/01/1801	01/01/2101	13/12/1956	09/07/2013	12/12/1956	06/12/1995	161	12	314		T	B			DWR	PJI	COOMA CK @ COOMA NO2
\$410082	01/01/1801	01/01/2101	03/03/1965	31/01/2012	16/07/1958	10/03/2012	227	40	389						DWR	CR	M/BIDGEE D/S GOGEL W
410083	01/01/1977	01/01/1997	10/03/1977	05/07/1996	01/06/1967	28/03/1995	110	16	142				31/12/1996		MBI	XFR	YANCO MAIN STHN DRN
410084									36				16/06/1977		DWR	DISC	DC RLW2 OUT STNY PNT
\$410085	01/01/1978	01/01/1997	10/05/1978	28/11/1996	29/01/1975	20/07/1981	115	4	225		T	C			MBI	XFR	MIRROOL DS GOGELDRIE
410086	01/01/1977	01/01/1997	02/12/1977	28/11/1996	04/09/1958	01/01/1993	120	4	187				31/12/1996		MBI	XFR	GOGELDRIE MAIN S DRN
410087	01/01/1959	01/01/1973			17/03/1959	10/12/1970	13	13	123				05/09/1980		DWR	DISC	BULLENBUNG @ OLD MAN
410088	01/01/1801	01/01/2101	31/07/1959	06/06/2013	31/07/1959	25/08/2003	142	13	291						DWR	PI	GOODRADIGBEE B/BELLA
410089	01/01/1960	01/01/1990	08/02/1974	05/09/1989	31/12/1970	07/08/1985	290	39	261				12/05/1993		DWR	DISC	BILLABONG @ GARRYOWE
\$410090	01/01/1801	01/01/2101	28/05/1965	03/10/2013	22/09/1937	30/05/2002	17	17	157		T	C			DWR	SMS	YASS RV @ GUNDAROO
\$410091	01/01/1801	01/01/2101	12/05/1981	31/10/2013	18/06/1965	07/01/2009	119	40	255		T	C			DWR	PPS	B'BONG @ WALBUNDRIE
\$410092	01/01/1801	01/01/2101	31/12/1975	25/11/2013	01/05/1965	03/02/2011	145	28	240						DWR	CR	CUNNINGHAMS @ HARDEN
\$410093	01/01/1801	01/01/2101	22/07/1976	08/08/2013	02/09/1974	29/11/2008	140	12	349		T	C			DWR	SFS	OLD MAN CK @ KYWONG
410094	01/01/1967	01/01/1983							101						SMA	XFR	JOUNAMA CK @ PONDAGE

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i m m n r p n m y	D a t e	D a t e	D a t e		Code	Class	
410095	01/01/1967	01/01/1982	10/04/1978	09/11/1981	14/11/1967	29/05/1980	115	25	157					30/06/1981	DWR	DISC	UMBANGO CK @ HUMULA
410096	01/01/1967	01/01/1995	12/09/1974	05/01/1994	21/11/1967	02/12/1987	180	30	175					30/06/2012	DWR	DISC	M'TAIN @ THOMOND NTH
\$410097	01/01/1801	01/01/2101	01/07/1976	30/10/2013	29/09/1970	17/07/1986	196	21	244	T C					DWR	PI	BILLABONG @ ABERFELD
410098	01/01/1967	01/01/1978			01/11/1967	17/10/1974	17	5	127					22/02/1977	DWR	DISC	10 MILE @ HOLBROOK 2
410099	01/01/1967	01/01/1974							126					22/02/1977	DWR	DISC	YARRA CREEK 2(YARRA)
410100	01/01/1968	01/01/1981	30/12/1975	27/10/1980	20/01/1968	21/03/1978	105	19	125					30/09/1980	DWR	DISC	NUMERALLA R @ MONTAG
410101	01/01/1968	01/01/1986	22/07/1974	08/06/1985	21/06/1965	29/12/1981	135	9	175					01/08/1985	DWR	DISC	M/BIDGEE PINE ISLAND
\$410102	*		21/10/1975	21/02/2011											SWA	SFH	BLOWERING DAM
\$410103	01/01/1801	01/01/2101	24/06/1965	05/11/2013	24/06/1965	05/02/2010	130	5	50	T C					DWR	PI	HOULAGHANS @DOWNSIDE
410104															DWR	DISC	REFER 410039
410105	01/01/1971	01/01/1983	22/07/1971	14/04/1982	22/02/1971	03/06/1978	125	6	113					14/04/1982	DWR	DISC	NUMERALLA R DAM SITE
\$410106	01/01/1801	01/01/2101	19/11/1978	01/11/2013	01/01/1972	11/09/2005	140	8	195	T C					DWR	PPS	GILMORE @ WYBALENA
410107	01/01/1801	01/01/2101	19/05/1972	11/07/2013	19/05/1972	14/02/2010	220	24	237						DWR	PI	MOUNTAIN CK @ MTN CK
\$410108	01/01/1801	01/01/2101	03/12/1992	10/10/2013	01/01/1900	12/01/2005	115	5	189	T C					DWR	SFS	D C 800 @ OUTFALL
410109									30					01/03/1977	DWR	DISC	DC 600 ABOVE DC 500
\$410110	01/01/1801	01/01/2101	08/03/1977	10/10/2013	08/03/1977	01/01/2007	125	7	199	T C					DWR	CR	D C 500 @ OUTFALL
410111	01/01/1973	01/01/1990	30/06/1976	14/03/1989	26/07/1973	24/07/1986	215	21	142					30/11/1989	DWR	DISC	YAVEN YAVEN SPYGLASS
\$410112	01/01/1801	01/01/2101	19/08/1975	26/07/2013	01/06/1975	09/01/1996	120	4	133	R					DWR	SMS	JINDALEE @ JINDALEE
410113														30/06/1983	DWR	DISC	GOODRADIGBEE B/BELLA
410114	01/01/1801	01/01/2101	28/05/1975	18/09/2013	01/05/1975	06/03/2001	115	4	191	R					DWR	SMS	KILLIMCAT @ WYANGLE
410115									22					19/01/1977	DWR	DISC	D C 500 @ BULLS ROAD
410116									1					13/05/1931	DWR	DISC	B/BONG @ BURRONGONG
410117														14/02/1966	DWR	DISC	B/BUNG LOCKHART BDGE
410118														01/01/1912	DWR	DISC	COLOMBO COCKETGEDONG
410119									14					18/07/1930	DWR	DISC	FOREST CK @ QUIAMONG
410120									36					20/06/1963	DWR	DISC	GILMORE CK@ CLAFFEYS
410121									23					17/08/1922	DWR	DISC	MURRUMBIDGEE @ YASS
410122														01/01/1907	DWR	DISC	COTTER ABVE PADDYS R
410123														01/01/1907	DWR	DISC	BUNDIDGERRY @ OFFTAK
410124														30/04/1917	DWR	DISC	M/BIDGEE POISON HOLE
410125					02/09/1929	01/06/1940	4	4	29					01/06/1940	DWR	DISC	MAIN DN J @ GRIFFITH
410126	01/01/1975	01/01/1990	16/12/1975	01/03/1989	16/12/1975	28/07/1984	135	7	75					28/02/1989	DWR	DISC	DEMONDRILL WONGABARA
410127	01/01/1992	01/01/2008	01/07/1992	01/05/2007	13/02/1964	01/01/2002	11	5	137					26/11/1996	MBI	XFR	MAIN CNAL NARRANDERA
410128									200					31/12/1996	SWA	XFR	COLEAMBALLY OFFTAKE
410129			06/01/2005	01/05/2007					173					31/12/1996	MBI	XFR	STURT CANAL OFFTAKE
\$410130	01/01/1801	01/01/2101	21/06/1979	23/10/2013	01/01/1979	20/10/2010	141	9	245	T C			O		DWR	SFP	M/BIDGEE D/S BALRAND
\$410131	*		01/07/1974	08/10/2013						R T					SWA	SFH	BURRINJUCK DAM
410132	01/01/1942	01/01/1948			01/08/1942	01/08/1942	1	1	32					30/11/1947	DWR	DISC	ADELONG CK @ ADELONG

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\$410133	01/01/1801	01/01/2101	25/02/1993	11/10/2013	01/01/1800	04/07/2013	399	59	106	T C		DWR SFS	COLEAMBALLY DR BUNDY
\$410134	01/01/1801	01/01/2101	28/04/1978	11/10/2013	01/01/1800	09/03/2010	153	19	260	T C B P		DWR SFP	BILLABONG @ DARLOT
\$410135	01/01/1992	01/01/2004	12/11/1992	04/07/2003	16/05/1979	01/08/1998	110	3	118	T C	04/07/2003	DWR DISC	COLEAMBALLY CATCHMEN
\$410136	01/01/1801	01/01/2101	31/12/1981	18/09/2013	03/07/1979	11/03/2009	170	14	198			DWR SFP	M/BIDGEE DS HAY WEIR
\$410137	01/01/1801	01/01/2101	13/05/1999	02/10/2013	16/04/1999	09/03/2010	50	7	104 R			DWR SFP	BEAVERS CK MUNDOWEY
410138					30/10/1985	30/10/1985	100	1	53		29/10/1993	DWR XFR	M CANAL D/S BUNDIDG
410139									12		13/12/1972	DWR DISC	M/BIDGEE @ MUNDOWEY
410140											02/12/1951	DWR DISC	M/BIDGEE @ THE PEAKS
\$410141	01/01/1801	01/01/2101	20/05/1982	03/07/2013	20/05/1982	02/08/1990	115	3	162	T B		DWR SMS	MICALIGO @ MICHELAGO
410142									49		15/03/1968	DWR DISC	M/BIDGEE @ THARWA
\$410143			30/08/1974	13/11/2013	01/01/1970	01/01/1970	100	1				DWR CH	M/BIDGEE ERINGOARRAH
410144											01/06/1917	DWR DISC	YANCO @ WILSONS BDG
410145									63		31/10/1955	DWR DISC	TUMUT @ JONES BRIDGE
410146									4		08/10/1993	DWR DISC	MIRROOL 5KM S BARELN
410147											31/08/1921	DWR DISC	REFER 410575
\$410148	01/01/1801	01/01/2101	01/09/1980	08/10/2013	01/01/1800	10/02/2004	130	8	132	T C		DWR SFS	FOREST WARRISTONWEIR
410149	01/01/1801	01/01/2101	31/03/1982	01/11/2013	14/07/1981	14/07/1981	110	1	149			DWR SMS	NOTTINGHAM ROAD BDGE
410150	01/01/1982	01/01/1995	01/04/1982	31/12/1993	01/01/1982	22/08/1987	120	4	52		13/03/1996	DWR DISC	MAIN DRN J @ YOOGALI
410151	01/01/1982	01/01/1995	01/04/1982	31/12/1993	01/01/1982	01/01/1982	100	1	29		25/07/1994	DWR DISC	DRAINAGE CHANNEL S
\$410152	01/01/1801	01/01/2101	17/04/1984	19/08/2013	13/04/1984	13/04/1984	105	1	108			DWR SMS	STONY @ EDWARDSTOWN
410153	01/01/1999	01/01/2001	31/03/1999	28/11/2000	31/03/1999	21/02/2000	7	2	5	T	28/11/2000	DWR DISC	FOREST CK KIRIRIBIRRI
410154			23/06/1999	27/11/2000						T	28/11/2000	DWR DISC	FOREST CK @ BLUEGATE
\$410155	01/01/1801	01/01/2101	28/10/1999	16/08/2013	02/10/1985	02/10/1985	100	1	3 R			DWR CF	TARCUTTA BELMORE BR.
\$410156	01/01/1801	01/01/2101	19/02/1985	04/11/2013	17/06/1985	04/03/2012	16	16	95 R	T C B		DWR SMS	KYEAMBA @ BOOK BOOK
410157	01/01/1998	01/01/2000	04/12/1998	01/10/1999	04/12/1998	04/12/1998	100	1	11	T C	16/11/1999	DWR DISC	COLY @ BOOROOBAN.
410158									1		16/11/1999	DWR DISC	COLY @ CONARGO RD.
410159					20/07/1978	20/07/1978	1	1	15		14/03/1996	DWR DISC	DC U WARBURN ESCAP
410160	01/01/1801	01/01/2101	22/06/1988	03/10/2013	01/07/1988	01/02/1989	110	2	57 R			DWR SMS	WILLIAMS @ WHITEHILL
410161					08/02/1992	08/02/1992	1	1	11		31/12/1996	MBI XFR	NERICON @ LAKE WYANG
410162	01/01/1992	01/01/1997	26/02/1992	28/11/1996	01/01/1900	01/01/1900	1	1	24		31/12/1996	MBI XFR	LITTLE MIRROOL @ U/S
410163	01/01/1993	01/01/1997	11/02/1993	27/11/1996	11/02/1993	24/10/1996	110	2	15	T C	31/12/1996	MBI XFR	CUDMORE @ BARRENBOX
\$410164	01/01/1993	01/01/1997	10/02/1993	27/11/1996	15/06/1994	01/08/1995	110	2	16	T C	31/12/1996	MBI XFR	NO.13 ESCAPE
\$410165										T C	31/12/1996	MBI XFR	MIRROOL @ BENEREMBAH
\$410166	01/01/1993	01/01/1997	23/06/1993	29/10/1996	23/06/1993	23/06/1993	100	1	26	T C	31/12/1996	MBI XFR	WILLOW MCNAMARA RD
\$410167	01/01/1993	01/01/1997	24/06/1993	27/11/1996	09/06/1993	09/06/1993	100	1	13	T C B P	31/12/1996	MBI XFR	BARREN BOX OUTFALL
\$410168	01/01/1801	01/01/2101	21/09/1995	02/10/2013	01/09/1995	25/03/2012	137	13	100	T C		DWR SFP	BILLABONG @ HARTWOOD
\$410169	01/01/1801	01/01/2101	18/09/1995	10/10/2013	18/09/1995	25/06/2008	30	5	90	T C		DWR SFP	YANCO @ YANCO BRIDGE
\$410170	01/01/1801	01/01/2101	20/09/1995	17/10/2013	06/08/1995	05/03/2012	116	6	88	T C		DWR SFP	B/BONG U/S INNES BDG

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\$410171			08/09/1995	28/11/1996					1	C	31/12/1996	MBI XFR	B'BAH 2 @ GOLDB'S GA
\$410172			25/01/1996	29/11/1996					1	T C	31/12/1996	MBI XFR	DC ESC. @ B'BAH PS
\$410173					01/01/1985	02/03/1999	110	4	55			DWR CH	CAIRA CREEK @ OFFTAK
\$410174											31/12/1996	MBI XFR	M.D. J @ MCNAMARA RD
\$410175					14/06/1998	01/06/2004	10	2	33			DWR CH	CAIRA NORTH
\$410176	01/01/1801	01/01/2101	10/05/1999	02/10/2013	01/08/1998	16/03/2000	10	2	82	T C		DWR PPS	YASS @ U/S B/JUCK
410177	01/01/1999	01/01/2001	02/09/1999	17/10/2000	02/09/1999	02/09/1999	2	1	4	T	30/11/2000	DWR DISC	8 MILE CK @ W/NELLA
410178	01/01/1999	01/01/2001	02/09/1999	10/11/2000	02/09/1999	22/01/2000	3	2	5	T	10/11/2000	DWR DISC	8 MILE CK @ MCCRABS
410179			13/05/1997	05/05/2000	01/01/1900	01/01/1900	1	1			18/05/2005	DWR DISC	PHALARIS FLUME
410180			07/03/1997	13/07/1998	01/01/1900	01/01/1900	1	1		R	18/05/2005	DWR DISC	NATIVE GRASS FLUME
410181									2		31/05/2013	DWR DISC	BROOKLYN @ EMSLEY
\$410182	01/01/1801	01/01/2101	04/06/2001	31/10/2013	01/03/2001	09/03/2010	10	3	51	T C		DWR SPS	BILLABONG @ HILLVIEW
\$410183	01/01/1801	01/01/2101	05/06/2001	14/08/2013	02/05/2001	15/02/2008	10	4	50	T C		DWR SPS	BILLABONG @ PARKSIDE
410184	01/01/2001	01/01/2101	05/06/2001	16/10/2010	05/06/2001	05/06/2001	10	1	13	T C	03/11/2010	DWR DISC	SIMMONS @ WALBUNDRIE
\$410185	01/01/1801	01/01/2101	07/02/2001	17/10/2013					31	T C		DWR PJI	NOWRANIE D/S B/BONG
\$410186	01/01/1801	01/01/2101	30/08/2001	18/09/2013	26/02/2001	25/08/2003	15	2	45	T C		DWR PPS	B/BONG D/S 10-MTN CK
\$410187	01/01/1801	01/01/2101	29/08/2001	30/10/2013	28/08/2001	08/08/2003	15	2	30	T C		DWR SMS	10 MILE @ H/BROOK #3
410188			29/05/2001	09/01/2004					12		30/06/2012	DWR DISC	YARRA CK @ DONNA V
410189												SWA XFR	BUNDIDGERRY ESCAPE
410190									15			SWA XFR	BUNDIDGERRY STORAGE
\$410191	01/01/1801	01/01/2101	07/05/2004	16/10/2013	01/10/2002	20/08/2004	105	2	23	T C		DWR CR	CCD @ OUTFALL
410192											23/04/2002	DWR DISC	BETHUNGRA STORAGE
410193											23/04/2002	DWR DISC	BETHUNGRA SEEPAGE
410194											23/04/2002	DWR DISC	D/S BETH. STORAGE
\$410195	01/01/1801	01/01/2101	22/04/2002	04/10/2013	11/04/2002	05/03/2012	3	3	69	T C		DWR SFP	MBIDGEE R U/S GOBARR
410196									49		01/01/1979	DWR DISC	COL/Y @ TUBBO WELLS
410197					06/01/1995	26/12/2005	20	6	81			DWR CR	NACKI @ BANGADANG
410198					23/10/1996	23/09/2004	25	5	80	T		DWR CR	ADELONG CK @ TUMBLON
\$410199			17/04/2012	07/11/2013	01/11/2007	06/09/2010	4	2	51			DWR PJI	TUMUT U/S NIMBO O/T
410204												ACT	M'BIDGEE @HALLS XING
410213												ACT	M'BIDGEE @ANGLERS X
410240									8			ACT	Halls Ck
410501	01/01/1950	01/01/1958							21			SMA	M'BIDGEE @KELLYS PLN
410502	01/01/1950	01/01/1959							20			SMA	TUMUT RIVER AT TUMUT
410503	01/01/1949	01/01/1965							28			SMA	TUMUT @LOBS HOLE
410504	01/01/1952	01/01/1962										SMA	HAPPY JACKS @MCKEAHN
410505												SMA	Y'GOBILLY @LOBS HOLE
410506	01/01/1952	01/01/1973										SMA	Y'GOBILLY @HOSPITAL

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	Start	End	Start	End	First Starts	Last Starts	Last	of	of	a t t o u i u x	n m n r p n m y	p p d b h d d g	n p p d b h d d g	n p p d b h d d g			
410507	01/01/1952	01/01/1973														SMA	WALLACES @HOSPITAL
410508	01/01/1953	01/01/1962														SMA	EIGHT MILE @T2 TRACK
410509	01/01/1953	01/01/1972														SMA	TUMUT @CUMBERLAND
410510	01/01/1953	01/01/1961														SMA	M'BIDGEE @THE GULF
410511	01/01/1953	01/01/1962														SMA	SECTION @T-2 TRACK
410512	01/01/1953	01/01/1960														SMA	HIGHGROUND @HIGHGROU
410513	01/01/1953	01/01/1960														SMA	TUMUT @SAMS DIGGINGS
410514	01/01/1953	01/01/1980														SMA	GOORUDEE R'LT BOLARO
410515	01/01/1953	01/01/1961														SMA	N MARAGLE D/S COULTO
410516	01/01/1953	01/01/1961														SMA	PINCHGUT @PENNYWEIGH
410517																SMA	LEECH @DAMSITE 4
410518																SMA	WATERFALL @DAMSITE 4
410519	01/01/1954	01/01/1960														SMA	TUMUT D/S HPPY JACKS
410520	01/01/1953	01/01/1959														SMA	RULES @GUEST HOUSE
410521	01/01/1953	01/01/1965														SMA	MIDDLE @PINBEYAN
410522	01/01/1953	01/01/1961														SMA	L'LE B'DONG @CUMBERL
410523	01/01/1953	01/01/1970														SMA	HONEYSUCKLE BEL MARA
410524	01/01/1947	01/01/1959														SMA	M'BIDGEE @RULES POIN
410526	01/01/1954	01/01/1961														SMA	GLENDOWER @RAZORBACK
410527	01/01/1954	01/01/1960														SMA	WALLACES @MUDHOLES
410528	01/01/1954	01/01/1960														SMA	G'GANDRA @STOKES HUT
410530	01/01/1956	01/01/1962														SMA	BOOGONG @YAOUK
410531	01/01/1957	01/01/1962														SMA	G'DIGBEE @OLDFIELDS
410532																SMA	BURNS ABV BURNS POND
410533	01/01/1959	01/01/1983														SMA	TUMUT ABV HPPY JACKS
410534	01/01/1959	01/01/1983														SMA	HAPPY JACKS ABV H.J.
410535	01/01/1958	01/01/1980														SMA	M'BIDGEE ABV TANTANG
410536	01/01/1957	01/01/1961														SMA	BALD HILL @NO.1
410537	01/01/1957	01/01/1961														SMA	BALD HILL @NO.2
410538	01/01/1957	01/01/1961														SMA	BALD HILL @NO.3
410539	01/01/1957	01/01/1961														SMA	BALD HILL @NO.4
410540	01/01/1958	01/01/1961														SMA	BALD HILL @NO.5
410541																SMA	EUCUMBENE-TUMUT TUNN
410542																SMA	TUMUT @TUMUT PND RES
410543																SMA	M'BIDGEE @TANTANGARA
410544																SMA	BURNS @BURNS CK POND
410545																SMA	TUMUT @TUMUT 2 PONDA
410571																SMA	TUMUT @HAPPY JACKS P

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410572												SMA	TUMUT @TALBINGO RESR
410573												SMA	TUMUT @JOUNAMA PONDA
410574	01/01/1972	01/01/1983										SMA	YARRANGOBILLY @RAVIN
410575	01/01/1976	01/01/1983										SMA	BUDDONG ABV JOUNAMA
410576	01/01/1976	01/01/1983										SMA	BURNS ABV BURNS POND
410700												ACT	COTTER @KIOSK
410701					01/01/1912	04/03/1961	120	5	31			ACT	QUEANBEYAN @ GOOGONG
410702					31/12/1917	21/10/1959	105	2	103			ACT	MOLONGLO CORKHILLS W
410703									82			ACT	MOLONGLO YARRALUMLA
410704												ACT	COTTER RESERVOIR
410705			16/10/1976	20/01/1995					236			ACT	Molonglo at Burbong
410710					01/01/1956	07/10/1968	110	3	29			ACT	CTTR R ^BULLOCK HEAD
410711									270			ACT	GUDGENBY R AT NAAS
410712									25			ACT	JERRABOMBERRA @HS
410713									211			ACT	PADDY'S @RIVERLEA
410718												ACT	MOLONGLO BEL LAKE
410719												ACT	COTTER ABV BENDORA
410720												ACT	GININI @COTTER JCTN
410721												ACT	J'RABOMBERRA @N'BUND
410729			10/11/1966	21/01/1995								ACT	MOLONGLO @OAKS ESTAT
410730												ACT	Cotter R. at Gingera
410731									262			ACT	GUDGENBY @TENNENT
410732												ACT	L BURLEYGRIFFIN @DAM
410733												ACT	COREE @THREEWAYS
\$410734			10/11/1966	21/01/1995					246			ACT	QUEANBEYAN @TINDERRY
410736									157			ACT	ORRORAL @CROSSING
410737												ACT	NAAS @GUGENBY CK
410738			28/09/1970	19/08/1998								ACT	M'bidgee at Mt McDon
410739												ACT	TIDBINBILLA @MOUNTAN
410741												ACT	MOLONGLO @STURT ISLA
410742												ACT	CORIN RES
410743												ACT	J'RABOMBERRA @4 MILE
410744												ACT	L B'GRIFFIN @BOAT HA
410745												ACT	YARRALUMLA @CURTIN
410746												ACT	LONG GULLY @PHILLIP
410747												ACT	Cotter below Bendora
410748												ACT	GOOGONG RES
410750												ACT	

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410752												ACT	Cotter below Corin
410753												ACT	YARRALUMLA @MAWSON
410754												ACT	GINNINDERRA BEL DAM
410755												ACT	TUGGERANONG BEL DAM
\$410756			08/09/1978	03/12/1980								ACT	Molonglo at Coppins
410757			07/02/1973	12/06/1991								ACT	MOLONGLO @COPPER
410758												ACT	MOLONGLO @HOSKINGTOW
410759			27/01/1984	21/01/1995								ACT	MOLONGLO @CARWOOLA
410760			26/05/1974	21/01/1995								ACT	QUEANBEYAN @WICKERSL
410761			12/03/1975	19/08/1998								ACT	M'bgee at Lobbs Hole
410762												ACT	COPPER BEL CAPTAINS
410763												ACT	SW DRAIN @GIRALANG
410764												ACT	GINNINDERRA @GUMGAHL
410765												ACT	L GINNINDERRA @DAM
410766												ACT	SW UNDERPASS @GIRALA
410768												ACT	SW DRAIN @GIRALANG W
410770												ACT	Qbn R. at ACT Border
410771												ACT	TUGGERANONG @WEIR
410772												ACT	SULLIVANS @SOUTHWELL
410774									66			ACT	BURRA @BURRA ROAD
410777										T		ACT	M'bidgee at Hall's
410850									40		20/02/1976	DWR DISC	YASS MACKS REEF ROAD
410851	01/01/1801	01/01/2101	24/01/1996	03/10/2013	26/02/1976	24/01/1996	2	2	65			DWR SMS	YASS @ MACKS REEF RD
410852									41		21/12/1993	DWR DISC	BLACK JOES MACKS RD
\$41000200			17/04/2012	07/11/2013	17/10/2001	23/10/2009	11	2	50			DWR PJI	NIMBO OFFTAKE
41000201									12			DWR CR	HOLTS ANNABRANCH O/T
41000202									17			DWR PJI	AFFLECKS D/S OFFTAKE
41000203					01/04/1999	01/04/1999	1	1	13			DWR PJI	TUMUT U/S AFFLECKS
41000204	01/01/1996	01/01/1998	01/11/1996	11/02/1997	06/02/1996	06/02/1996	1	1	4		11/02/1997	DWR DISC	NUNGAR @ TANTANGARA
41000205					01/10/1995	01/10/1995	4	1	37			DWR CR	M BATEMAN @ KERINS X
41000206					07/02/1996	30/04/2004	20	4	70			DWR CR	N/ALLA @ ROSE VALLEY
\$41000207	01/01/1801	01/01/2101	01/07/2004	26/07/2013	01/07/2004	01/07/2004	2	1	14 R			DWR SMS	MUTTAMA AT BERTHONG
\$41000208	01/01/1801	01/01/2101	17/06/2004	11/09/2013	17/06/2004	17/06/2004	1	1	48			DWR SMS	MOLONGLO @ KOBADA
\$41000209	01/01/1801	01/01/2101	01/08/2006	07/11/2013	01/08/2006	27/12/2011	4	4	34			DWR SFS	YANCO CREEK @ WIRAKI
\$41000210	01/01/1801	01/01/2101	01/08/2006	16/10/2013	31/07/2006	12/03/2012	3	3	30			DWR SFS	COLOMBO@COONONG WEIR
41000211											10/01/2006	DWR DISC	COLOMBO @ EIGHT MILE
\$41000212	*		11/08/2009	08/10/2013								DWR SFH	YANCO @ TARABAH STOR
\$41000213	01/01/1801	01/01/2101	18/05/2006	08/10/2013	01/12/2005	07/07/2011	3	3	35			DWR SFS	YANCO D/S TARABAH WR

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41000214													SWA	Main C DS Narrandera
41000215	01/01/2007	01/01/2012	21/12/2007	19/10/2011	26/10/2007	14/12/2008	5	2	31			19/10/2011	DWR DISC	BREWARRANA LANE
41000216	*		21/12/2007	14/04/2011					2			14/04/2011	DWR DISC	BEAVERS WEIR STORAGE
41000217			21/02/2008	04/05/2009								04/05/2009	DWR DISC	TARCUTTA U/S HUME HY
41000218			05/08/2008	30/06/2010								30/06/2010	DWR DISC	Breer Swamp @ NRF
41000219			10/06/2010	30/06/2010					2			30/06/2010	DWR DISC	Deadmans Ck @ Levee
41000220			24/02/2009	30/06/2010								30/06/2010	DWR DISC	Fingerboards @ BLS
41000221			24/02/2009	30/06/2010								30/06/2011	DWR DISC	Fingerboards D/S LB
41000222			24/02/2009	30/06/2010								30/06/2010	DWR DISC	Fingerboards U/S LB
41000223			18/02/2009	30/06/2010								30/06/2010	DWR DISC	Glen Avon B @ SRF
41000224			18/02/2009	30/06/2010								30/06/2010	DWR DISC	Glen Avon E @ SRF
41000225			19/02/2009	30/06/2010								30/06/2010	DWR DISC	Irrigation L @ NRF
41000226			05/08/2008	30/06/2010								30/06/2010	DWR DISC	Kieeta Ck B @ SRF
41000227			29/10/2007	30/06/2010								30/06/2010	DWR DISC	Kieeta Ck @ SRF
41000228			21/11/2007	30/06/2010								30/06/2010	DWR DISC	Mercedes Swamp @ NRF
41000229												30/06/2010	DWR DISC	Monkem Ck @ Boundary
41000230			02/09/2008	30/06/2010								30/06/2010	DWR DISC	Narkungerie S @ NRF
\$41000231			27/08/2008	30/06/2010					5			30/06/2010	DWR DISC	Pee Vee Ck @ Blk Bnk
41000232			02/09/2008	30/06/2010								30/06/2010	DWR DISC	Piggery Lake @ NRF
41000233			21/11/2007	30/06/2010								30/06/2010	DWR DISC	Pococks Swamp @ NRF
41000234			18/02/2009	30/06/2010								30/06/2010	DWR DISC	Smyths Swamp @ NRF
41000235			14/05/2008	30/06/2010								30/06/2010	DWR DISC	Shaws Swamp @ NRF
41000236			08/06/2010	01/06/2012								30/06/2012	DWR DISC	Talpee Ck D/S PV J
41000237			02/09/2008	24/03/2010								30/06/2011	DWR DISC	Tarwillie Swamp @NRF
41000238			21/11/2007	30/06/2010								30/06/2010	DWR DISC	The Avenue D/S @ NRF
41000239			21/11/2007	30/06/2010								30/06/2010	DWR DISC	Top NRW Swamp @ NRF
\$41000240			19/08/2009	31/05/2012					5			30/06/2012	DWR DISC	Waugorah U/S Reg
41000241										R T	W H	30/06/2012	DWR DISC	Weather stn @ NWCR
41000242			18/02/2009	30/06/2010								30/06/2010	DWR DISC	Woolshed Ck @ Culvet
41000243			18/02/2009	30/06/2010								30/06/2010	DWR DISC	Woolshed N @ SRF
\$41000244												30/06/2012	DWR DISC	Woolshed Ck D/S Reg
41000245			01/01/2010	30/06/2010								30/06/2010	DWR DISC	Woolshed S @ SRF
\$41000246			18/12/2007	31/05/2012					20			30/06/2012	DWR DISC	Yanga Ck D/S Offtake
41000247	13/10/2009	22/10/2009	22/10/2008	30/06/2010					4			30/06/2010	DWR DISC	Mercedes Swamp Inlet
\$41000248												30/06/2010	DWR DISC	Woolshed Ck U/S Reg
41000249			21/11/2007	16/08/2011								30/06/2012	DWR DISC	The Avenue U/S @ NRF
\$41000250			26/10/2008	30/06/2010								30/06/2010	DWR DISC	Waugorah D/S Reg
41000251			20/02/2009	18/01/2010						T		18/01/2010	DWR DISC	BLBG CK @ D/S JER

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug			Code	Class	
41000252			19/02/2009	17/03/2010						T	17/03/2010	DWR	DISC	BLBNG CK @ U/S CON
41000253												MIL		WARRAGOON STAGE2
\$41000254			03/02/2011	08/07/2013	03/02/2011	03/02/2011	1	1	8			DWR	CR	JUGIONG@CUMBAMURRA2
\$41000255			17/08/2011	03/12/2013					18	T		DWR	SFH	NTHREDBANK @ GLENDEE
\$41000256			18/08/2011	22/10/2013					18	T		DWR	SFH	NTHREDBANK @ ATHEN
41000257	01/01/2010	01/01/2011	17/06/2010	03/08/2010	15/03/2010	15/03/2010	1	1	7		18/08/2011	DWR	DISC	NTHREDBANK @ OUTFALL
41000258			17/03/2010	31/03/2010	24/03/2010	24/03/2010	1	1	8		17/08/2011	DWR	DISC	NTHREDBANK @ REG
41000259	*		22/11/2010	14/03/2012								DWR	PJI	WANG SWP @ WANGANELA
\$41000260			10/05/2011	03/09/2013	03/05/2011	03/05/2011	1	1	13			DWR	CR	M/BIDGEE @ YAOUK NO2
\$41000261			13/06/2012	07/08/2013	03/06/2012	03/06/2012	1	1	9	R		DWR		Goobarragandra @ Mac
41000262												DWR		Bombowlee d/s Terrys
41000263									1		30/06/2011	DWR	DISC	NARWIE OFF @ RED CHL
41000264			28/06/2011	30/06/2013	01/06/2011	01/06/2011	1	1	12		30/06/2013	DWR	PJI	MBIDGEE U/S WYNBURN
41000265			28/06/2011	30/06/2013	01/06/2011	01/06/2011	1	1	12		30/06/2013	DWR	PJI	MBIDGEE D/S CHASTON
41000266			28/06/2011	17/06/2013	01/06/2011	01/06/2011	1	1	12		30/06/2013	DWR	PJI	MBIDGEE U/S GLEN AVON
41000267			29/06/2011	17/06/2013	01/06/2011	01/06/2011	1	1	12		30/06/2013	DWR	PJI	MBIDGEE U/S BOURPIE
41000268			28/06/2011	30/06/2013	01/06/2011	01/06/2011	1	1	12		30/06/2013	DWR	PJI	MBIDGEE OPP PIGGERY
\$41000269			09/05/2012	18/09/2013	09/05/2012	09/05/2012	1	1	8	R		DWR		BRUNGLE CK @ REDHILL
41000270												DWR	PJI	BREDBO@BREDBO STN
\$41000271									8			DWR	PJI	ALUM@JONES PLAIN RD
41000272									4			DWR	PJI	M'BIDGEE @ MICHLAGO
41001701												ACT		NUMERALLA@CHAKOLA
41001702												ACT		U/S ANGLE CROSSING
41010001										T		DWR	WQR	BLOWERING DAM OFFTAK
41010037	*		07/06/2001	31/01/2006								DWR	SFH	TELEPHONE BANK
41010038												DWR	SFH	POLLEN DAM
41010039												DWR	SFH	NAP NAP SWAMP
41010056												DWR	SFH	EULIMBAH SWAMP
41010057	*		07/06/2001	28/11/2001								DWR	SFH	SUICIDE BANK
41010058												DWR	SFH	AVALON SWAMP
41010059												DWR	SFH	PEE VEE CREEK
41010060												DWR	SFH	54
41010061												DWR	SFH	LITTLEWOOD SWAMP
41010067												DWR		BAUPIE CK U/S REGUL
41010100					01/10/1995	07/02/2001	10	6	44		18/05/2005	DWR	DISC	YASS @ BOOTHS XING
41010166					01/01/1901	01/01/1903	3	3				DWR	WQS	Murr50
41010173					15/07/2002	16/07/2002	2	2	8			DWR	PJI	GOOBRA @ ROCK FLAT

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41010178					10/09/1998	10/09/1998	5	1	9										25/10/2000	DWR	DISC	B/GERY @ GREEN VALLY
41010233	01/01/1998	01/01/2000	03/12/1998	05/11/1999	28/11/1998	28/11/1998	100	1	7	T	C								05/11/1999	DWR	DISC	COD @ BULLAWAH RD
41010244																				DWR	WQS	MURRUMB@ BUMBALONG
41010287																				DWR	SFH	NIMMIE STORAGE
41010290	*		28/10/1999	21/06/2012															18/09/2012	DWR	DISC	COLDENE LAGOON
41010292	*		22/10/1999	06/09/2012															06/09/2012	DWR	DISC	IRIS PARK SWAMP
41010293	*		17/08/2000	20/01/2012																DWR	SFH	BERRY JERRY LAGOON
41010294	*		22/10/1999	24/02/2010																DWR	SFH	GANMAIN NO1 LAGOON
41010295	*		17/08/2000	13/04/2010																DWR	SFH	GANMAIN NO2 LAGOON
41010296	*		18/08/2000	15/04/2012															29/11/2012	DWR	DISC	NARRANDERA SF LAGOON
41010297	*		20/10/1999	10/04/2003															09/01/1998	DWR	DISC	EUROLEY LAGOON
41010298	*		15/11/1999	24/10/2006																DWR	SFH	MOLLEYS LAGOON
41010300	*		25/01/2000	22/09/2009																DWR	SFH	GOORAGOO LAGOON
41010301	*		08/10/1999	17/05/2012																DWR	SFH	SUNSHOWER LAGOON
41010302	*		13/07/2000	03/03/2011																DWR	SFH	YARRADDA LAGOON
41010304	*		07/06/2000	11/01/2012																DWR	SFH	MCKENNAS LAGOON
41010305	*		20/10/1999	24/10/2006																DWR	SFH	NINE MILE LAGOON
41010306	*		07/06/2000	21/10/2006																DWR	SFH	PEVENSEY LAGOON
41010307	*		21/10/1999	17/03/2010																DWR	SFH	BALRANALD WEIR LAGON
\$41010309					16/05/2003	20/07/2012	33	16	59											DWR	CR	FOREST @ OFFTAKE
41010312																				DWR	PJI	GOOLA1
41010313																				DWR	WQS	Murna1
41010314																				DWR	WQS	Murna2
41010336																				DWR	WQS	MURRUMB@ YAOUK
\$41010343																				DWR	WQR	HAY WEIR BUOY
41010351					01/01/1901	01/01/1903	3	3												DWR	WQS	GOODSB
41010361																				DWR	WQR	REDB/K WEIR BUOY
41010362																				DWR	WQR	MAUD WEIR BUOY
41010390	*		08/08/2001	07/03/2007															07/03/2007	DWR	DISC	COONANCOOCABIL WEST
41010391	*		08/08/2001	07/03/2007															07/03/2007	DWR	DISC	COONANCOOCABIL EAST
41010397																				DWR	SFH	COATES SWAMP
41010399																				DWR	CR	FOREST U/S OFFTAKE
41010417																				DWR		Balranald Weir Buoy
41010418																				DWR	WQS	MURRUMB@ BOBOYAN
41010419																				DWR	WQS	MURRUMB@ YAOUK GAUGE
\$41010810	01/01/1801	01/01/2101	16/11/1999	01/11/2013	01/01/1800	09/09/2011	36	13	65											DWR	SFS	B'BONG @ WANGANELLA
41010817					13/01/1995	01/08/2003	15	3	32										18/05/2005	DWR	DISC	CARABOST @ HUMULA
41010862			20/02/2008	04/05/2009															04/05/2009	DWR	DISC	TARCUTTA @ STURT HWY

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41010865					14/03/1988	04/07/2006	35	9	70				DWR CR	UMBGO @ HUMULA RD BG
41010883												01/01/1984	DWR DISC	TARCUTTA @ HUME HWY
41010889										T			DWR WQR	BURRINJUCK WALL
41010891										T			DWR PJI	TUMMJ
41010901													DWR	BALRANALD WEIR STORG
\$41010904	*		13/03/2004	14/07/2010						R	T C		SWA SFH	BEREMBED STORAGE
41010911									10			31/12/1996	DWR XFR	COLEAMBALLY CANAL ST
\$41010922	*		06/06/2006	18/10/2013									SWA SFH	GOGELDRIE STORAGE
\$41010928	*		18/06/2006	17/09/2013									SWA SFH	HAY STORAGE
\$41010941	*		23/11/2006	18/09/2013									SWA SFH	MAUDE STORAGE
\$41010966	*		28/08/2006	03/12/2013									SWA SFH	REDBANK STORAGE
41010969			02/09/2003	30/08/2013					10				DWR SFH	INLET TOMBULLEN
\$41010970	01/01/1801	01/01/2101	17/06/2009	02/10/2013	03/12/1995	03/12/1995	100	1	17				DWR SFH	TOMBULLEN D/S WEIR
\$41010971	*		17/06/2009	19/04/2012									SWA SFH	TOMBULLEN STORAGE
\$41010981	*		01/07/2003	08/10/2013									SWA SFH	YANCO STORAGE
41010988													DWR PJI	TUMUT @ G.H.F.N.

BASIN 411 - LAKE GEORGE

411001	01/01/1958	01/01/1986	29/10/1958	21/10/1985	29/04/1959	02/12/1980	18	4	189			21/10/1985	DWR PRHG	MILL POST CK @ B'DOR
411002	01/01/1971	01/01/1981	23/09/1971	18/01/1980	23/09/1971	08/09/1978	170	15	73			18/01/1980	DWR DISC	TURALLO @ BUNGENDORE
411003	01/01/1801	01/01/2101	31/12/1978	26/09/2013	28/09/1971	15/03/2006	192	24	207				DWR PI	BUTMAROO CK@BUTMAROO

BASIN 412 - LACHLAN RIVER

412001	01/01/1893	01/01/1957			18/12/1891	02/01/1966	11	10	110			01/01/1957	DWR DISC	LACHLAN @ EUABALONG
\$412002	01/01/1801	01/01/2101	01/01/1855	18/10/2013	01/03/1892	10/11/2011	227	88	827	T C			DWR SFP	LACHLAN R @ COWRA
412003	01/01/1924	01/01/1962	01/05/1950	31/08/1990	20/12/1890	13/11/1950	20	21	150			16/10/1984	DWR DISC	LACHLAN HILLSTON T
\$412004	01/01/1801	01/01/2101	01/01/1894	28/08/2013	01/01/1933	24/04/1984	130	25	682	T C			DWR SFP	LACHLAN FORBES CTTNS
\$412005	01/01/1801	01/01/2101	01/03/1945	22/10/2013	14/03/1893	03/06/2013	210	40	470	T C			DWR SFP	LACHLAN @ BOOLIGAL
\$412006	01/01/1801	01/01/2101	01/01/1894	08/10/2013	21/12/1891	18/02/2010	125	32	573	R	T C		DWR SFP	LACHLAN CONDOBOLIN B
412007	01/01/1907	01/01/1956			01/10/1920	27/11/1954	8	8	138			30/09/1955	DWR DISC	LACHLAN @ WILLANTHRY
412008	01/01/1801	01/01/2101	07/12/2002	25/08/2010	01/01/1920	20/07/2010	35	15	272				DWR CH	LAKE CREEK LC OUTLET
412009	01/01/1908	01/01/1999	28/08/1916	08/11/2005	27/11/1908	12/06/1989	180	78	580			08/02/1999	DWR DISC	BELUBULA CANOWINDRA
412010	* 01/01/1801	01/01/2101	22/11/1960	09/10/2013						R			DWR CH	WYANGALA STORAGE
\$412011	01/01/1801	01/01/2101	17/09/1970	23/10/2013	01/01/1900	11/02/2008	330	66	483	T C			DWR SFP	LACHLAN LAKE C WEIR
\$412012	01/01/1801	01/01/2101	31/12/1984	21/10/2013	01/07/1920	06/06/2013	105	66	490				DWR SFP	WILLANDRA @ ROAD BDG

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412013	01/01/1916	01/01/1940			12/07/1916	01/07/1932	3	3	59		01/01/1940	DWR DISC	LACHLAN KIACATOO WR
\$412014	01/01/1801	01/01/2101	02/03/1916	08/10/2013	18/09/1923	18/03/2012	140	32	563			DWR SFP	GOOBANG CONDOBOLIN
412015	01/01/1918	01/01/1962			01/09/1918	06/04/1954	7	7	107		09/07/1962	DWR DISC	ISLAND WALLAMUNDY O
\$412016	01/01/1801	01/01/2101	07/07/1977	09/10/2013	01/10/1918	22/07/2010	165	76	516			DWR SFP	WALLAMUNDY O-ISLAND
\$412017	01/01/1916	01/01/2006	13/12/1994	17/09/2005	01/09/1918	03/04/2011	205	53	436			DWR SFP	BUMBUGGAN CK OFFTAKE
412018	01/01/1917	01/01/1929			01/09/1918	01/01/1929	2	2	78		30/06/1942	DWR DISC	LACHLAN R @ CADOW
412019	01/01/1917	01/01/1927			01/03/1917	14/04/1925	2	2	55		01/01/1927	DWR DISC	ISLAND CREEK @ CADOW
412020	01/01/1920	01/01/1968			01/01/1927	29/04/1967	27	27	182		31/12/1976	DWR DISC	WILLANDRA CK TOCABIL
412021	01/01/1928	01/01/1991	18/09/1969	01/01/1990	01/08/1947	25/07/1978	180	25	274		15/12/1989	DWR DISC	LACHLAN BOOBEROI WR
412022	01/01/1928	01/01/1984			17/07/1928	11/12/1978	95	93	258			DWR DISC	BOOBEROI CK OFFTAKE
\$412023	01/01/1801	01/01/2101	29/12/1977	09/10/2013	07/03/1927	28/03/2012	210	47	442			DWR SFP	ISLAND CK FAIRHOLME
412024	01/01/1801	01/01/2101	13/12/1994	08/10/2013	01/01/1926	19/12/2010	125	17	175			DWR SFP	LACHLAN MULGUTHERIE
412025	01/01/1929	01/01/1948			14/02/1921	27/12/1942	8	8	45		31/01/1948	DWR DISC	BOOROWA R ROCKVALE
412026	01/01/1930	01/01/1983	01/03/1971	21/04/1982	17/10/1930	13/04/1978	165	39	225		31/08/1982	DWR DISC	LACHLAN R @ OXLEY
\$412027	01/01/1801	01/01/2101	03/12/1930	02/10/2013	03/12/1930	01/01/2011	107	18	142	T C		DWR PPS	LACHLAN @ REIDS FLAT
\$412028	01/01/1801	01/01/2101	08/12/1930	29/10/2013	08/12/1930	20/04/2012	347	31	429	R T C		DWR PPS	ABERCROMBIE @ ABERCR
\$412029	01/01/1801	01/01/2101	01/07/1938	31/10/2013	01/01/1938	25/05/2011	226	26	362	R T C		DWR PPS	BOOROWA PROSSERS XNG
\$412030	01/01/1801	01/01/2101	26/04/1938	12/11/2013	31/03/1938	03/02/2003	275	23	393	T C		DWR PPS	MANDAGERY US EUGOWRA
412031	01/01/1938	01/01/1978			23/03/1938	13/06/1976	20	13	202		01/01/1978	DWR DISC	HOVELLS @ HOVELLS CK
412032	01/01/1938	01/01/1959			28/03/1938	02/02/1954	12	11	125		31/08/1959	DWR DISC	LACHLAN @ GOOLOOGONG
\$412033	01/01/1801	01/01/2101	01/01/1990	27/09/2013	29/03/1938	03/03/2012	160	21	153	T C		DWR SFP	BELUBULA HELENSHOLME
412034	01/01/1801	01/01/2101	12/03/1923	07/07/1964	13/06/1939	12/05/1965	125	10	175		30/06/1965	DWR DISC	LACHLAN CONDO WEIR
412035	01/01/1939	01/01/1946			01/12/1939	01/08/1941	2	2	39		06/06/1947	DWR DISC	BUMBUGGAN @ GOOBANG
412036	01/01/1801	01/01/2101	06/04/1950	15/08/2006	01/01/1940	14/12/2010	125	27	435	R		SWA SFP	LACHLAN JEMALONG WR
412037									5			DWR DISC	JEMALONG @ OFFTAKE
\$412038	01/01/1801	01/01/2101	21/10/1970	21/10/2013	03/11/1890	10/05/2011	260	40	404	T C		DWR SFP	LACHLAN WILLANDRA WR
\$412039	01/01/1801	01/01/2101	09/10/1970	22/10/2013	19/05/1941	08/02/2010	260	42	433	R T C		DWR SFP	LACHLAN HILLSTON WR
412040	01/01/1942	01/01/1948			30/04/1942	18/01/1945	2	2	23		01/01/1948	DWR DISC	LACHLAN @ WARROO
412041	01/01/1946	01/01/1971			05/07/1946	30/05/1969	13	13	132		28/02/1971	DWR DISC	BOREE CK @ CUDAL NO1
\$412042	01/01/1801	01/01/2101	01/03/1978	13/08/2013	17/09/1946	14/01/2011	210	42	279			DWR SFP	WILLANDRA HOMESTEAD
412043	01/01/1947	01/01/1983	01/11/1977	15/11/1982	25/07/1947	20/12/1979	115	20	139		15/11/1982	DWR DISC	GOOBANG DARBY S DAM
412044	01/01/1951	01/01/1964			01/12/1951	09/01/1973	6	6	158		16/02/1984	DWR DISC	ISLAND WALLAMUNDY O
\$412045	01/01/1801	01/01/2101	27/05/1982	16/09/2013	10/03/1952	23/02/2011	120	22	281	T C		DWR SFP	LACHLAN @ CORRONG
\$412046	01/01/1801	01/01/2101	31/12/1976	24/10/2013	19/07/1928	04/04/2012	160	41	390			DWR SFP	WALLAROI WORRONGORRA
\$412047	01/01/1801	01/01/2101	16/04/1996	22/10/2013	19/01/1954	11/08/2012	20	6	278			DWR SFP	BENSONS DROP WEIR
412048	* 01/01/1801	01/01/2101	01/01/1990	09/10/2013	01/05/1955	01/01/2009	20	12	156			DWR CR	LACHLAN LAKE B WEIR
412049	01/01/1955	01/01/1961			20/01/1955	04/05/1960	3	4	37		01/01/1960	DWR DISC	LACHLAN @ BEVENDALE
\$412050	01/01/1801	01/01/2101	21/01/1955	30/10/2013	01/01/1955	18/08/2011	125	11	273	T C		DWR PPS	CROOKWELL NARRAWA N.

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412051	01/01/1955	01/01/1960			25/01/1955	25/01/1955	1	1	30			19/06/1960	DWR DISC	ABERCROMBIE HADLEY 1
412052	01/01/1955	01/01/1962							45			31/05/1963	DWR DISC	ISABELLA THE MEADOWS
412053	01/01/1955	01/01/1962			27/01/1955	11/05/1962	2	3	51			31/07/1963	DWR DISC	ABERCROMBIE BUMAROO
412054	01/01/1955	01/01/1982			02/02/1955	30/07/1980	17	18	61			01/01/1982	DWR DISC	BOLONG R @ GOLSPIE
412055	01/01/1956	01/01/1975	31/01/1984	30/07/1984	28/11/1956	13/09/1983	42	29	262			01/01/1975	DWR DISC	BELUBULA BANGAROO BD
\$412056	01/01/1801	01/01/2101	20/02/1957	12/09/2013	08/02/1957	01/03/2012	190	15	395	T C			DWR SFP	BELUBULA THE NEEDLES
\$412057	01/01/1801	01/01/2101	05/12/1969	03/09/2013	19/07/1958	07/03/2012	310	46	348	T C			DWR SFP	LACHLAN R @ NANAMI
412058	01/01/1958	01/01/1986	29/12/1976	18/10/1996	01/07/1958	13/11/1981	125	23	177			27/01/1987	DWR DISC	LACHLAN ISLAND OFFTK
412059					01/01/1995	04/04/2002	20	3	169			04/04/2002	DWR DISC	NERATHONG LC ROAD BD
412060	01/01/1959	01/01/1962							22			12/07/1963	DWR DISC	2 (BURRA) CK LEVELS
412061	01/01/1959	01/01/1971	15/10/1969	28/05/1980					118			28/05/1980	DWR DISC	LACHLAN @ HILLANDALE
412062									5			12/05/1964	DWR DISC	CROOKWELL NEAR BINDA
412063	01/01/1960	01/01/2003	10/06/1960	08/08/2002	01/05/1960	09/05/2002	345	20	267			08/08/2002	DWR DISC	LACHLAN @ GUNNING
412064	01/01/1962	01/01/1978			06/09/1962	01/05/1970	2	2	146			01/01/1978	DWR DISC	REFER 412054
\$412065	01/01/1801	01/01/2101	28/07/1960	30/10/2013	01/01/1960	11/09/2005	200	21	354	R T C			DWR PPS	LACHLAN @ NARRAWA
\$412066	01/01/1801	01/01/2101	22/06/1960	29/10/2013	01/01/1960	25/02/2008	220	14	314				DWR PPS	ABERCROMBIE HADLEY 2
\$412067	01/01/1801	01/01/2101	01/11/1966	18/10/2013	11/03/1920	04/10/2008	175	41	545	T C			DWR SFP	LACHLAN D/S WYANGALA
412068	01/01/1966	01/01/2005	07/12/1977	07/04/2004	15/09/1966	01/12/2000	115	11	131	T C			DWR DISC	GOONIGAL @ GOOLOGONG
412069	01/01/1966	01/01/1982	06/04/1972	21/09/1981	27/08/1966	10/11/1980	200	24	129			21/09/1981	DWR DISC	BOOROWA R @ BOOROWA
412070	01/01/1966	01/01/1982	01/09/1966	16/07/1981	01/09/1966	20/01/1981	410	11	91			16/07/1981	DWR DISC	CADIANGULLONG @ PAN.
412071	01/01/1966	01/01/1995	20/01/1976	22/12/1994	01/09/1966	05/09/1983	213	62	210			23/12/1994	DWR DISC	CANOMODINE CREEK
412072	01/01/1966	01/01/1990	31/05/1975	11/03/1989	25/08/1966	14/07/1986	190	41	1			11/03/1989	DWR DISC	BACK CK @ KOORAWATHA
412073	01/01/1966	01/01/1995	08/10/1981	26/04/1994	01/06/1966	01/01/1984	110	9	137			23/12/1994	DWR DISC	NYRANG CK @ NYRANG
412074	01/01/1966	01/01/1982			09/09/1966	06/01/1980	7	7	84			04/08/1981	DWR DISC	ISABELLA @ BALLYROE
412075	01/01/1966	01/01/1983	31/12/1980	29/09/1982	01/10/1966	27/02/1982	22	22	127			02/10/1985	DWR DISC	MANDAGERY @ MANILDRA
412076	01/01/1967	01/01/2001	04/12/1979	03/08/2000	08/11/1966	11/09/1980	110	13	192			03/08/2000	DWR DISC	BOURIMBLA CK @ CUDAL
\$412077	01/01/1801	01/01/2101	09/12/1966	13/09/2013	08/12/1966	12/09/2013	220	25	323	T C			DWR CR	BELUBULA @ CARCOAR
\$412078	01/01/1801	01/01/2101	01/11/1968	12/08/2013	01/11/1968	06/08/2012	145	14	242				DWR SFP	LACHLAN @ WHEALBAH
412079	01/01/1968	01/01/1977			01/01/1970	01/01/1970	3	1	88			01/01/1977	DWR DISC	BELUBULA @ MANDURAMA
412080	01/01/1801	01/01/2101	01/11/1976	12/09/2013	01/01/1968	03/03/2012	180	17	224				DWR PI	FLYERS CK @ BENEREE
412081	01/01/1968	01/01/2003	23/04/1968	06/08/2002	23/04/1968	14/02/1999	240	11	204			06/08/2002	DWR DISC	ROCKY BDG NR NEVILLE
412082	01/01/1968	01/01/1986	23/04/1968	14/08/1979	19/04/1968	16/04/1980	210	23	131			01/11/1984	DWR DISC	PHILS CK @ FULLERTON
412083	01/01/1968	01/01/2003	23/04/1968	06/08/2002	01/04/1968	17/02/2002	200	20	202			06/08/2002	DWR DISC	TUENA CREEK @ TUENA
412084	01/01/1968	01/01/1983	29/05/1968	24/09/1982	29/05/1968	06/05/1981	335	48	102			26/09/1984	DWR DISC	LACHLAN U/S BLAKNEY
412085	01/01/1968	01/01/2005	31/12/1977	08/04/2004	17/06/1968	31/01/1984	135	16	109	T C			DWR DISC	OOMA CK HENRY LAWSON
412086	01/01/1968	01/01/1990	31/12/1978	14/03/1989	19/06/1968	16/08/1985	130	22	132			14/03/1989	DWR DISC	GOOBANG CK @ PARKES
412087	01/01/1969	01/01/1977			03/02/1969	27/07/1976	5	5	75				DWR DISC	MERROWIE HOMESTEAD
412088	01/01/1969	01/01/2004	16/06/1969	03/06/2004	15/06/1969	13/12/1982	125	6	141	T C		12/11/2003	DWR DISC	LACHLAN @ NUMBY

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412089	01/01/1969	01/01/1990	16/04/1969	09/03/1989	22/05/1968	17/09/1986	195	19	174			09/03/1989	DWR DISC	COOKS VALE PEELWOOD
412090	01/01/1970	01/01/1991	12/08/1970	28/03/1990	16/12/1970	13/10/1981	190	18	136			28/03/1990	DWR DISC	BOREE CK CUDAL NO.2
412091	01/01/1971	01/01/1995	01/12/1985	23/12/1994	25/08/1971	28/07/1984	33	25	149			23/12/1994	DWR DISC	WAUGOOLA U/S COWRA
412092	01/01/1971	01/01/1994	01/09/1971	30/03/1993	01/06/1971	01/11/1992	130	15	104			30/03/1993	DWR DISC	COOMBING NR NEVILLE
412093	01/01/1973	01/01/1998	10/05/1973	01/05/1997	10/05/1973	10/05/1973	100	1	18 R			09/08/1999	DWR DISC	NARADHAN @ NARADHAN
412094	01/01/1955	01/01/1960							23			01/02/1959	DWR DISC	2(BURRA) CK ROCKWELL
412095												14/08/1984	DWR DISC	BURRANGONG @ MAIMURU
412096	01/01/1975	01/01/2005	20/10/1975	29/03/2004	01/10/1975	02/04/1987	135	6	162			29/03/2004	DWR DISC	PUDMANS KENNYS CK RD
412097	01/01/1958	01/01/1969			08/02/1927	09/02/1974	11	11	133			01/01/1969	DWR DISC	ISLAND CK @ OFFTAKE
412098									2			15/05/1945	DWR DISC	LACHLAN JEMALONG HSD
412099	01/01/1975	01/01/1999	21/10/1975	01/01/1998	01/10/1975	24/04/1990	105	10	65			05/08/1999	DWR DISC	MANNA NR LAKE COWAL
412100			16/04/1990	07/01/2009	20/02/1941	16/09/1995	4	4	187 R				SWA XFR	JEMALONG M C OFFTAKE
412101			07/12/2002	11/12/2008	10/01/2001	01/06/2008	45	6	181				DWR CR	LAKE CARGELLIGO INTK
412102			07/12/2002	23/10/2013	02/09/1986	01/01/2008	15	3	88				DWR SFP	LAKE BREWSTER INTAKE
412103	01/01/1976	01/01/2005	16/11/1976	08/04/2004	28/10/1976	06/04/1999	150	6	63	T C			DWR DISC	BLAND @ MORANGARELL
412104	01/01/1993	01/01/1998	10/03/1993	23/05/1997	23/11/1976	14/09/1993	110	4	51			24/09/1997	DWR DISC	BELUBULA U/S BLAYNEY
412105	01/01/1992	01/01/2003	07/10/1992	05/08/2002	22/06/1989	07/08/1998	125	6	75			05/08/2002	DWR DISC	BELUBULA D/S BLAYNEY
412106	* 01/01/1979	09/05/2008	23/11/1970	26/06/2012						R			DWR CH	CARCOAR DAM
412107	* 01/01/1801	01/01/2101	01/01/1990	09/10/2013						R T			DWR CH	CARGELLIGO STORAGE
412108	*		01/01/1990	19/12/2012						R T			DWR CH	BREWSTER STORAGE
412109			07/12/2002	22/10/2013	01/09/1983	01/10/2003	20	2	153				DWR CR	BREWSTER CONDUIT
412110	01/01/1980	01/01/2003	22/12/1980	08/05/2002	01/07/1980	01/07/1980	120	1	125			08/05/2002	DWR DISC	BOLONG U/S GIDDIGANG
412111					08/02/1923	08/02/1923	1	1	15				DWR DISC	LACHLAN @ WOODLANDS
412112									3				DWR DISC	LACHLAN @ SAVILLES
412113									29				DWR DISC	LACHLAN NERATHONG WR
412114									14			12/02/1965	DWR DISC	LACHLAN DS GUNNING C
412115									11			16/01/1996	DWR DISC	WLNDRA B /LIGAL-I /H
412116									17			16/01/1996	DWR DISC	WILNDRA HILLSTN-ROTO
412117									5			26/01/1996	DWR DISC	WLNDRA BLRNLD-IVANHO
412118					13/12/1985	13/12/1985	100	1	3			27/06/1988	DWR DISC	NERATHONG CONDO-WWNG
412119					19/09/1985	19/09/1985	100	1	5				DWR DISC	LACHLAN W CONDO WEIR
412120					01/10/1986	01/01/1987	115	4	4			07/01/1987	DWR DISC	MUGGABAH TYSONS BORE
412121												22/10/1986	DWR DISC	MURRUMBIDGIL SWAMP
\$412122	01/01/1801	01/01/2101	02/07/2003	16/09/2013	01/10/1986	31/01/2013	145	9	78				DWR SFP	MERRIMAJEEL COBB HWY
412123													DWR DISC	MERRIMAJEEL OLD BDGE
\$412124	01/01/1801	01/01/2101	02/07/2003	16/09/2013	01/07/2003	01/08/2009	145	3	64				DWR SFP	MUGGABAH @ COBB HWY
412125									1			12/11/1986	DWR DISC	MUGGABAH BOXYARDS RD
412126												16/10/1986	DWR DISC	MERRIMAJEEL ALMA RD

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412127					01/10/1986	01/10/1986	100	1	6		06/01/1987	DWR ADH	TORRIGANNY D/S WEIR
412128											21/10/1986	DWR DISC	MERRIMAJEEL IBIS TNK
\$412129	01/01/1801	01/01/2101	04/03/1987	31/10/2013	21/10/1986	31/05/2011	110	3	41			DWR PJI	MERRIMAJEEL @ B/BANL
412130											23/10/1986	DWR DISC	LAKE WALJEERS STORAG
412131											13/10/1986	DWR DISC	2(MOON) LAKE STORAGE
412132											22/10/1986	DWR DISC	MERRIMAJEEL SWAMP SG
412133	01/01/1987	01/01/1994	23/09/1987	01/01/1993	23/09/1987	23/09/1987	105	1	40		01/01/1993	DWR DISC	CROOKWELL IRON MIN
\$412134	01/01/1801	01/01/2101	20/01/1988	01/10/2013	08/04/1988	08/04/1988	1	1	44	R		DWR SMS	WATTLE CK @ DUDAUMAN
412135	01/01/1989	01/01/2003	31/01/1989	23/04/2002	31/01/1989	19/02/1993	130	3	44	R	23/04/2002	DWR DISC	BEGALIA CK @ BEGALIA
412136					22/06/1989	08/08/1997	35	6	43		05/02/1998	DWR DISC	ABBATOIR CK @ ST JO
412137					22/06/1989	14/09/1993	35	6	42		02/05/1998	DWR DISC	ABBATOIR @ PALMER ST
412138	01/01/1992	01/01/2003	20/02/1992	23/05/2002	20/02/1992	02/11/1994	5	2	12	R C	07/08/2002	DWR DISC	MILPOSE
\$412139	01/01/1801	01/01/2101	06/08/1981	29/10/2013						R		DWR CF	MANDGERY CK GLENAYR
412140			28/05/1991	04/01/1993					1		04/01/1993	DWR DISC	MIRROOL CK COBB HWAY
\$412141	01/01/1801	01/01/2101	30/10/1975	12/09/2013								DWR CF	LACHLAN @ MULYANDRY
412142	01/01/1993	01/01/1998	20/01/1993	07/01/1997	20/01/1993	20/01/1993	999	1	22	T C	09/08/1999	DWR DISC	BOGANDILLON CK @ BIR
412143									27		11/08/1998	DWR CF	B.BURRAH NEWELL HWAY
412144									13			ACT XFR	CADIANGULLONG CK U/S
412145									13		19/09/1996	ACT DISC	CADIANGULLONG CK D/S
412146									14		03/09/1996	ACT DISC	COPPER CK U/S CADIA
412147												ACT XFR	FLYERS CK @ FHR
412148									18		11/08/1998	DWR DISC	L.FORBES NEWELL HWAY
\$412149	01/01/1995	01/01/2012	14/09/1995	10/08/2011	25/05/1995	01/01/2008	55	6	31	T C	10/08/2011	DWR DISC	LACHLAN RV @ TUPRA
\$412150	01/01/1801	01/01/2101	28/06/2007	23/10/2013						T		DWR PJI	THE BRAIDS
412151			25/05/1995	27/08/1997						T	27/08/1997	DWR DISC	LACHLAN @ RIVERS END
412152	01/01/1801	01/01/2101	25/05/1995	19/09/2013						R T T		DWR PJI	E OF N/S LEVEE
412153			25/05/1995	28/08/1997						T	28/08/1997	DWR DISC	GCS SITE5
412154	01/01/1801	01/01/2101	23/05/1995	13/11/2013						T C		DWR PJI	CUMBUNG SWAMP @ EOS
412155			25/05/1995	27/08/1997						T	28/08/1997	DWR DISC	S3GW
412156			24/05/1995	18/03/1997						T	28/08/1997	DWR DISC	S4GW
412157			25/05/1995	20/03/1997						T	28/08/1997	DWR DISC	S5GW
412158			24/05/1995	18/03/1997						T	28/08/1997	DWR DISC	S6GW
412159			23/05/1995	15/08/2001						T	15/08/2001	DWR DISC	S2RIV
412160			24/05/1995	21/03/2001						T	21/03/2001	DWR DISC	S4RIV
412161												ACT XFR	CADIANG CK D/S LEASE
412162												ACT XFR	RODDS CK U/S PAN RD.
\$412163	01/01/1801	01/01/2101	24/06/2003	13/08/2013	17/10/1995	03/10/2011	45	6	49			DWR SFP	MERROWIE CK @ O/TAKE
412164												ACT XFR	RODDS CK U/S DIV DAM

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug											Date	Code	Class		
\$412165	01/01/1996	01/01/2012	05/12/1996	02/11/2011	04/01/1996	31/08/2010	136	8	58							02/11/2011	DWR	DISC	BELUBULA RIV @ BELLS					
412166																	ACT	XFR	DIGGERS CK U/S PAN R					
412167																	ACT		SWALLOW CK U/S PAN					
\$412168																	ACT	XFR	CADIANG CK @ FMCR					
\$412169	01/01/1997	01/01/2005	05/02/1997	02/04/2004	05/02/1997	24/01/2002	110	2	13		T	C					DWR	DISC	BACK CK @ COWRA					
\$412170	01/01/1998	01/01/2005	18/06/1998	07/04/2004	01/01/1900	13/07/1999	6	3	19		T	C					DWR	DISC	BURRANGONG CK @ BIMB					
412171			24/06/1998	22/01/2007	24/06/1998	24/06/1998	1	1	7		T	C					DWR	DISC	BLAND CK @ MARSDEN					
\$412172	*		20/03/1990	31/01/2013													SWA	XFR	JEMALONG STORAGE					
412173																	SWA	DISC	L. BREWSTER W. STOR					
412174													1				SWA	DISC	TORRIGANNY STORAGE					
\$412175			24/03/2011	31/10/2013	01/03/2011	01/03/2011	1	1	12		T	C					DWR	CR	HOVELLS CK @ NO.2					
412176																	DWR	DISC	KANGAROOBY @ KANG RD					
\$412177			28/06/2007	23/10/2013													DWR	PJI	BUNUMBURT INFLOW					
412178																09/05/2006	DWR	DISC	LACHLAN @ GERAMY					
\$412179			29/06/2007	23/10/2013									2				DWR	PJI	MAROOLO OUTFLOW					
\$412180			29/06/2007	19/09/2013													DWR	PJI	TOOPUNTAL CHANNEL					
\$412181			13/02/2009	19/09/2013													DWR	PJI	SW FLOODPLAIN WETSP					
412182																	DWR	DISC	SW FLOODPLAIN DRYSP					
412183			27/06/2007	19/09/2013													DWR	PJI	THE WOODCUTTERS					
\$412184			08/11/2001	02/04/2004	08/11/2001	08/11/2001	10	1		R	T	C				02/04/2004	DWR	DISC	WARRENGONG CK @ TC					
412185	01/01/2001	01/01/2005	08/11/2001	02/04/2004	01/10/2001	01/10/2001	100	1	6		T	C				02/04/2004	DWR	DISC	WARRENGONG CK @ TS					
412186			12/02/2002	07/04/2004	12/02/2002	12/02/2002	10	1			T	C				02/04/2004	DWR	DISC	TYAGONG CK D/S EMU C					
\$412187	01/01/1801	01/01/2101	12/03/2002	13/08/2013	12/03/2002	04/01/2013	50	8	42								DWR	CR	WILLANDRA @ YILGA					
\$412188	01/01/1801	01/01/2101	04/04/2002	24/10/2013	04/04/2002	22/01/2013	52	8	63								DWR	CR	NERATHONG @ NERATHON					
\$412189	01/01/1801	01/01/2101	03/11/2006	24/10/2013	22/12/2004	23/03/2012	35	7	44								DWR	SFP	BOOBEROI @ OFFTAKE 2					
412190					13/07/2011	12/08/2013	105	2	22								DWR	CR	WALLAROI @ WALLAM OT					
412191					01/01/2006	01/01/2006	100	1	10								DWR	ADH	WALLMNDRY@D/S WLSHD					
\$412192	01/01/1801	01/01/2101	10/11/2006	24/10/2013	14/07/2005	19/04/2012	1	3	35								DWR	SFP	BOOBEROI CK @ RETURN					
412193					16/10/2006	16/10/2006	1	1	9							10/04/2008	DWR	DISC	BELUBULA @CANOWINDRA					
\$412194	01/01/1801	01/01/2101	31/08/2009	16/09/2013	29/05/2006	08/02/2011	5	2	27		T	C					DWR	SFP	LACHLAN @ 4 MILE					
\$412195	01/01/1801	01/01/2101	02/07/2008	03/09/2013	10/04/2008	02/03/2012	115	4	33		T	C					DWR	SFP	BELUBULA RV @ LYNDON					
\$412196			18/02/2009	13/08/2013									8				DWR	CH	LACHLAN DS GANOWLIA					
412900			22/11/1949	30/07/1984													DWR	DISC	LACHLAN @ GLENWOOD					
\$412901	01/01/1801	01/01/2101	01/01/1870	25/10/2013	03/01/1893	01/01/1944	115	22	17								DWR	CF	LACHLAN FORBES (IRON)					
\$41200208			24/03/2011	19/09/2013	01/03/2011	01/03/2011	2	1	11		T	C					DWR	CR	CROWTHER @ WATERVALE					
\$41200209			01/06/2011	29/10/2013	01/05/2011	04/03/2012	6	2	17	R	T	C					DWR	CR	ABERCROMBIE @ ABER#2					
\$41200210			01/06/2011	29/10/2013	01/05/2011	01/05/2011	2	1	13								DWR	CR	COOKSVALE @ MONTANA					
41200211																	SWA		INFLOW @ EASTERNSPIL					

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. Tabs	No. Gaug				
41200212												SWA	SOUTH@LAKE BREWSTER
41200213												SWA	NORTHERN @ U/SOFREGU
41200214												SWA	OUTWESTERN@LAKEBREWS
41200215												SWA	OUTEASTERN@LAKE BREW
41200216												SWA	INNEASTERN@LAKE BREW
41210010									1			DWR DISC	LACHLAN NR CHARLS PT
41210011									1			DWR DISC	CHARLIES POINT
41210016									1			DWR DISC	FENCE LINE
41210101									1			DWR DISC	BELUBULA DUNGEON RD
41210105									1			DWR DISC	CHAIN PONDS CARCOAR
41210107									1			DWR DISC	KINGS PLAIN CROSSING
41210108									1			DWR DISC	HIGHWAY CULVERT
41210109												DWR DISC	SALEYARD CREEK
41210118									1			DWR DISC	PRICES CULVERT
41210120									1			DWR DISC	ABATTOIR CAR PARK
41210127									1			DWR DISC	BOX CULV. HAILBRAE
41210168												DWR PJI	BOCKABIDGLE CREEK
\$41210169			23/03/2011	09/10/2013								DWR PJI	WILGA LAGOON
\$41210170			24/03/2011	07/08/2013								DWR PJI	ROBSAR LAGOON
41210171												DWR PJI	MORGAN'S BILLABONG
41210172												DWR PJI	HAZELWOOD BILLABONG
41210173												DWR PJI	WHEALBAH BILLABONG
41210174												DWR PJI	THOMSON'S BILLABONG
41210175												DWR PJI	ERIN'S BILLABONG
41210176												DWR PJI	LIGNUM LAKE
41210191												DWR DISC	CARCOAR @ REC AREA
41210192											05/07/2012	DWR WQR	LACHLAN@U/S WILANDRA
41210193												DWR WQR	LACHLAN R@ WYUNA
41210194												DWR WQR	LACHLAN@ MERROWIE

BASIN 413 - BENANEE

\$413001								18	T C			DWR WQR	MURRAY @ MCLIFFS1
\$413002	01/01/1801	01/01/2101	25/04/1997	14/11/2013	01/01/1900	01/01/1900	1	1	22	T C		DWR WQR	MURRAY @ MCLIFFS2
413003	01/01/2010	01/01/2011	08/10/2010	10/12/2010	08/10/2010	10/10/2010	1	2	4		10/12/2010	DWR DISC	GOL GOL @ LAKE INLET
413004												DWR PRHG	MURRAY R @ COWANNA
\$41310022										T C		DWR WQR	COLIGNAN PONTOON

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	i m m n r p n m y	Date	Code Class	
\$41310023										T			DWR WQR	MCLIFFS U/S PONTOON
\$41310024										T C			DWR WQR	MCLIFFS D/S PONTOON
\$41310025										T C			DWR WQR	REDCLIFFS PONTOON
\$41310026										T C			DWR WQR	CHAFFEYS PONTOON
\$41310027										T C			DWR WQR	MERBEIN PONTOON
\$41310028										T			DWR WQR	CURLWAA PONTOON

BASIN 416 - BORDER RIVERS

\$416001	01/01/1801	01/01/2101	01/02/1890	21/11/2013	01/12/1889	26/07/2012	165	44	549	T C			DWR SFP	BARWON R @ MUNGINDI
\$416002	01/01/1801	01/01/2101	01/01/1886	04/09/2013	01/10/1894	14/01/2011	153	65	567	T			DWR SFP	MACINTYRE BOGGABILLA
\$416003	01/01/1801	01/01/2101	01/09/1921	09/09/2013	01/09/1921	28/01/2013	148	28	556				DWR PI	TENTERFIELD CLIFTON
416004	01/01/1801	01/01/2101	02/02/2012	05/09/2013	01/01/1854	03/01/1969	31	31	194	T			DWR DISC	MOLE R @ TRENAYR
416005	01/01/1925	01/01/1984	04/05/1983	28/07/1984	14/01/1925	27/08/1988	120	28	265			07/11/1989	DWR DISC	MACINTYRE R @ YETMAN
\$416006	01/01/1801	01/01/2101	10/09/1970	10/09/2013	22/11/1933	07/12/2007	268	54	573				DWR SFP	SEVERN @ ASHFORD
\$416007	01/01/1801	01/01/2101	20/09/1972	11/09/2013	09/08/1934	12/01/2011	227	70	563				DWR SFP	DUMARESQ @ BONSHAW
\$416008	01/01/1801	01/01/2101	25/06/1970	11/09/2013	10/08/1934	10/09/2010	317	59	469 R				DWR PPS	BEARDY @ HAYSTACK
416009	01/01/1937	01/01/1951	11/10/1942	29/12/2008	17/12/1936	20/11/1943	2	2	129			30/06/1962	DWR DISC	MACINTYRE @ INVERELL
\$416010	01/01/1801	01/01/2101	01/04/1890	10/09/2013	20/12/1936	28/12/2004	259	56	497				DWR PPS	MACINTYRE WALLANGRA
\$416011	01/01/1801	01/01/2101	14/06/1972	11/09/2013	01/03/1937	06/01/2008	297	69	562				DWR SFP	DUMARESQ @ ROSENEATH
\$416012	01/01/1801	01/01/2101	18/10/1972	10/09/2013	13/12/1969	30/11/2008	219	37	477	T C			DWR SFP	MACINTYRE @ HOLDFAST
416013									16			28/09/1953	DWR DISC	MOLE @ MOLE RIV P.O.
416014	01/01/1954	01/01/1983	02/05/1954	12/01/1982	26/03/1968	03/07/1981	340	48	129			12/01/1982	DWR DISC	DUMARESQ @ MINGOOLA3
416015	01/01/1960	01/01/1989	28/12/1984	25/02/1988	24/05/1960	24/11/1987	106	19	242			25/02/1988	DWR DISC	SEVERN @ LLANARTH
\$416016	01/01/1801	01/01/2101	18/07/1971	06/09/2013	09/02/1965	14/07/2012	200	29	371 R	T C			DWR SPS	MACINTYRE INVERELL
416017	01/01/1963	01/01/1970			06/03/1963	08/11/1969	10	10	93			31/12/1969	DWR DISC	MOLE R @ BELLANBOE
416018	01/01/1966	01/01/1990	09/06/1966	09/02/1989	25/05/1966	06/08/1987	284	40	163			09/02/1989	DWR PRHG	MACINTYRE @ DAMSITE
\$416019	01/01/1966	01/01/2007	15/11/1969	16/01/2004	06/07/1966	14/01/2004	313	62	298			29/06/2005	DWR DISC	SEVERN D/S PINDARI
\$416020	01/01/1801	01/01/2101	09/11/1978	10/09/2013	11/07/1978	03/06/2008	242	60	261 R				DWR PI	OTTLEYS @ COOLATAI
\$416021	01/01/1801	01/01/2101	20/07/1971	17/04/2013	18/07/1971	11/04/1988	397	60	187 R				DWR SMS	FRAZERS @ WESTHOLME
\$416022	01/01/1801	01/01/2101	06/03/1978	12/09/2013	01/03/1967	21/07/2010	207	43	253				DWR SPS	SEVERN @ FLADBURY
\$416023	01/01/1801	01/01/2101	07/03/1978	09/09/2013	10/03/1967	09/09/2010	166	32	284 R				DWR PI	DEEPWATER @ BOLIVIA
416024	01/01/1967	01/01/1990	01/02/1985	03/02/1989	28/07/1984	22/11/1988	104	7	167			03/02/1989	DWR PRHG	SWAN BROOK CAMPBELL
416025	01/01/1968	01/01/1990	14/12/1979	01/02/1989	01/02/1968	15/02/1988	176	27	140			01/02/1989	DWR PRHG	BEARDY R @ DAKABIN
416026	01/01/1969	01/01/1990	01/12/1987	01/01/1989	20/12/1982	13/09/1988	135	12	159			30/01/1989	DWR PRHG	REEDY CK @ DUMARESQ
\$416027	01/01/1801	01/01/2101	25/07/1979	19/11/2013	30/03/1968	29/11/2011	147	23	286				DWR SFP	GIL GIL @ WEEMELAH
416028	01/01/1968	01/01/1995	01/02/1976	23/11/1994	01/01/1900	19/02/2001	125	6	215				DWR CR	BOOMI @ NEEWORRA
416029	01/01/1968	01/01/1983	20/11/1966	27/01/2004					81			31/12/1987	DWR DISC	BOOMI @ KANOWNA

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\$416030	*		01/01/1969	11/09/2013	01/01/1900	01/01/1900	100	1			R T			DWR SFH	PINDARI DAM
\$416031		01/01/1801	01/01/2101	29/09/1970	17/04/2013	26/10/1978	05/04/2011	107	9	119	R			DWR PRF	MACINTYRE RIDGELANDS
\$416032		01/01/1801	01/01/2101	10/07/1969	05/09/2013	01/03/1969	29/01/2013	232	45	283	R			DWR PPS	MOLE @ DONALDSON
416033		01/01/1972	01/01/1993	01/07/1984	06/10/1992	03/01/1983	01/11/1994	120	21	136			06/10/1992	DWR DISC	BEARDY WTRS GLENLEGH
416034		01/01/1972	01/01/1990	26/07/1979	16/02/1989	29/06/1972	06/07/1988	114	9	27			16/02/1989	DWR DISC	CROPPA CK TULLOONA B
416035		01/01/1972	01/01/1989	18/01/1972	28/11/2001	18/01/1972	28/01/1987	225	26	126			25/02/1988	DWR PRHG	MACINTYRE @ ELSMORE
416036		01/01/1973	01/01/1997	07/11/1978	06/05/1996	10/06/1977	19/01/1991	157	14	118			06/05/1996	DWR DISC	CAMPBELLS NEAR BEEBO
\$416037		01/01/1801	01/01/2101	06/07/1976	03/09/2013	01/07/1976	28/04/2008	249	41	205	R			DWR SFP	BOOMI @ OFFTAKE
416038		01/01/1973	01/01/1983	26/06/1973	22/04/1982	01/06/1973	13/03/1982	160	13	83			22/04/1982	DWR DISC	MACINTYRE @ BOONAL
\$416039		01/01/1801	01/01/2101	09/05/1974	12/09/2013	08/05/1974	22/08/2007	199	32	240	T C			DWR PPS	SEVERN @ STRATHBOGIE
\$416040		01/01/1801	01/01/2101	05/06/1996	04/09/2013	01/01/1900	06/10/2009	11	13	105	R T C			DWR SFS	DUMARESQ AT GLENARBO
416041				13/09/2012	05/09/2013						T		25/02/1969	DWR DISC	MOLE @ MOLE DAMSITE
416042													31/07/1999	DWR DISC	BOOBERA LAGOON
\$416043		01/01/1801	01/01/2101	06/07/1976	03/09/2013	01/07/1976	10/03/2007	122	21	190				DWR SFP	MACINTYRE BOOMI WEIR
416044										21			19/03/1947	DWR DISC	MOLE R @ BONDONGA
416045		01/01/1953	01/01/1957			25/03/1952	18/02/1956	2	2	40			31/12/1956	DWR DISC	MOLE R @ CAUSEWAY
\$416046		01/01/1801	01/01/2101	24/08/2011	03/09/2013	15/01/1981	24/08/2011	102	2	38				DWR CR	MACINTYRE BOONANGA B
\$416047		01/01/1801	01/01/2101	18/01/1985	03/09/2013	01/10/1984	08/03/2007	115	16	133				DWR SFP	MACINTYRE @ TERREWAH
\$416048		01/01/1801	01/01/2101	13/01/1988	02/09/2013	07/11/1984	25/06/2010	105	5	135				DWR SFP	MACINTRYE @ KANOWNA
416049		01/01/1985	01/01/1997	01/10/1985	04/06/1996	20/09/1985	01/01/1996	121	14	95			04/06/1996	DWR DISC	DUMARESQ @ MAURO
\$416050		01/01/1801	01/01/2101	08/10/1987	20/11/2013	01/01/1900	09/02/2012	44	10	131				DWR SFP	BARWON U/S PRESBURY
416051		01/01/1988	01/01/1989	07/04/1988	27/04/1988	02/03/1987	12/03/2003	16	5	49			27/04/1988	DWR CR	MACINTYRE @ YARROWEE
\$416052		01/01/1801	01/01/2101	02/06/1987	18/11/2013	02/06/1987	07/02/2012	117	13	150				DWR SFP	GIL GIL @ GALLOWAY
416053	*			05/01/1995	11/04/2000						T		11/04/2000	DWR DISC	TENTERFIELD CR @ WS
\$416054		01/01/1801	01/01/2101	05/12/1996	19/11/2013	05/12/1996	04/02/2012	9	9	96	T			DWR SFP	GIL GIL @ BOOLATAROO
\$416055		01/01/1801	01/01/2101	19/12/1996	19/04/2013	01/01/1900	01/01/1900	1	1	19	R			DWR PRF	MIDDLE CR @ FERNDAL
\$416056		01/01/1801	01/01/2101	31/12/1996	16/04/2013	01/01/1900	01/01/1900	1	1	19	R			DWR PRF	MACINTYRE@LITTLE VLY
\$416057		01/01/1801	01/01/2101	09/01/1997	16/04/2013	01/01/1900	01/01/1900	1	1	19	R			DWR PRF	MACINTYRE@ELSMORE BR
\$416058		01/01/1801	01/01/2101	09/01/1995	18/04/2013	01/03/1997	12/01/2011	14	14	41	R			DWR PRF	MACINTYRE @ YETMAN B
\$416059		01/01/1801	01/01/2101	26/03/1997	16/04/2013	01/01/1900	01/01/1900	1	1	18	R			DWR PRF	KINGS CREEK @ GRED
\$416060				21/07/1997	15/09/2004					3			15/09/2004	DWR DISC	MACINTYRE D/S WEIR
\$416061		01/01/1801	01/01/2101	25/06/1998	16/04/2013	01/01/1900	01/01/1900	1	1	18	R			DWR PRF	PARADISE @ PARADISE
\$416062		01/01/1801	01/01/2101	22/06/1998	15/04/2013	01/01/1900	01/01/1900	1	1	19	R			DWR PRF	KINGS @ NEWSTEAD NTH
\$416063		01/01/1801	01/01/2101	24/06/1998	15/04/2013	01/01/1900	01/01/1900	1	1	20	R			DWR PRF	MACINTYRE @ WYOMING
\$416064		01/01/1801	01/01/2101	26/06/1998	18/04/2013	01/01/1900	01/01/1900	1	1	16	R			DWR PRF	MIDDLE CK @ STANNIFE
416065														DWR DISC	BOGGABILLA W.STORAGE
\$416066		01/01/1801	01/01/2101	22/06/2000	18/04/2013	01/01/1900	01/01/1900	1	1	18	R			DWR PRF	MACINTYRE@RIVERSTONE
\$416067		01/01/1801	01/01/2101	21/03/2002	11/09/2013	20/03/2002	29/12/2009	9	9	86	T			DWR SFP	SEVERN @ DUCCA MARRI

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x Discont. i m m n r p n m y Date n p p d b H d d g												Org. Net		NAME					
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug													Code	Class						
\$416068	01/01/1801	01/01/2101	11/07/2002	18/04/2013	11/07/2002	18/06/2008	5	5	27	R															DWR	PRF	MACINTYRE @ TINTOT		
416069	01/01/1801	01/01/2101	30/05/2002	10/07/2013	30/05/2002	04/09/2006	2	2	13	R															DWR	PRF	FRAZERS @ GLENORCHY		
416070			30/04/2009	24/03/2010											T										24/03/2010	DWR	DISC	DMSQ R @ D/S TEXAS	
416071			30/04/2009	24/03/2010											T										24/03/2010	DWR	DISC	DMSQ R @ U/S YELARB	
\$416072			25/08/2011	02/09/2013						13																	DWR	PJI	WHALAN @ EURABA
416073			31/01/2012	05/09/2013											T												DWR	PJI	Mole @ U/S Bellanboe
416074																											DWR	PJI	Mole @ Taronga
416075			07/02/2012	05/09/2013											T												DWR	PJI	Mole @ Ferris
416076			11/09/2012	05/09/2013											T												DWR	PJI	Mole @ Mingola Stn
416077			03/02/2012	05/09/2013											T												DWR	PJI	Mole @ Smiths
416078			11/09/2012	05/09/2013											T												DWR	PJI	Mole @ South
416079																											DWR	PJI	Beardy @ Riverview
\$416080			16/08/2012	17/09/2013	14/08/2012	14/08/2012	1	1	18																		DWR	SFP	GIL GIL @ M'VILLE
416201	01/01/1925	01/01/1982	16/10/1886	30/12/2008	15/04/1976	01/01/1987	110	2	16																		QWR		MACINTYRE@GOONDIWIND
416303	01/01/1934	01/01/1982							31																		QWR		PIKE CK @ CLEARVIEW
416307																									31/08/1974	QWR		BONSHAW WEIR	
416308	01/01/1954	01/01/1982			21/10/1979	21/10/1979	100	1	60																		QWR		DUMARESQ @CUNNINGHAM
41601001									6																27/11/2002	DWR	DISC	TENTERFIELD OLD BAL	
41601002									6																27/11/2002	DWR	DISC	TENTERFIELD LEECHS	
41601003									5																27/11/2002	DWR	DISC	BLACKSMITH OLD BAL	
41601004					28/06/2000	28/06/2000	1	1	11																23/05/2008	DWR	DISC	TENTERFIELD NE H/WAY	
41601005									5																31/07/2002	DWR	DISC	TENTERFIELD TARBAN	
41601006					07/09/2004	07/09/2004	1	1	11																23/05/2008	DWR	DISC	MILLERS TARBAN RD	
41601007									5																01/08/2002	DWR	DISC	TENTERFIELD SAWYERS	
41601008									5																01/08/2002	DWR	DISC	TENTERFIELD BACK CK	
41601009									1																29/06/2000	DWR	DISC	TENTERFIELD MT PLEAS	
41601010					22/10/2003	22/10/2003	1	1	7																22/05/2008	DWR	DISC	TENTERFIELD DARTHULA	
41601011									4																01/08/2002	DWR	DISC	SEVERN DARTHULA	
41601012									2																31/07/2002	DWR	DISC	MILLERS BRUX H/WAY	
41601013									1																02/08/2001	DWR	DISC	MILLERS D/S BRUX H/W	
41601014									1																02/08/2001	DWR	DISC	TENTERFIELD RICHFLD	
41601015									3																29/06/2006	DWR	DISC	TARBAN @ OAKVALE	
41601016					20/10/2003	20/10/2003	1	1	4																22/01/2004	UNK	DISC	Doondoona @ Neeworra	
41601017									2																11/08/2006	DWR	DISC	BALD ROCK ROAD BRIDG	
41601018									2																11/08/2006	DWR	DISC	BOUBLE CROSSING	
41610001											T T														15/07/1992	DWR	DISC	PINDARI DAM WALL	
41610020					10/07/1995	10/07/1995	1	1	1																18/03/1996	DWR	DISC	BEARDY D/S DAM	
41610022									3																18/03/1996	DWR	DISC	BEARDY @ RANGERS VAL	

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x i m m n r p n m y n p p d b h d d g	Date	Code	Class	
41610024					12/07/1995	12/07/1995	1	1	2		18/03/1996	DWR	DISC	WELINGROVE @ GLOWAN
41610026					07/06/1995	07/06/1995	1	1	4		18/03/1996	DWR	DISC	SEVERN US WELLINGROV
41610027					21/06/1995	21/06/1995	1	1	3		18/03/1996	DWR	DISC	SEVERN DS WELLINGROV
41610028									1		18/03/1996	DWR	DISC	CAMERONS @ FERNHILL
41610029									1		18/03/1996	DWR	DISC	STONEV @ TANGO
41610030											18/03/1996	DWR	DISC	ARRAWATTA @ HAZELTON
41610032					08/06/1995	08/06/1995	1	1	3		18/03/1996	DWR	DISC	REDISTONE @ GLENWOOD
41610033					21/06/1995	21/06/1995	1	1	4		18/03/1996	DWR	DISC	WELLINGROVE @ POOL
41610158											01/01/1990	DWR		PINDARI @ BOAT RAMP

BASIN 417 - MOONIE RIVER

\$417001	01/01/1801	01/01/2101	10/12/1970	20/11/2013	24/08/1944	16/03/2011	151	36	328			DWR	PPS	MOONIE @ GUNDABLOUIE
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BASIN 418 - GWYDIR RIVER

\$418001	01/01/1801	01/01/2101	27/09/1892	16/10/2013	01/01/1892	29/01/2013	307	89	509			DWR	SFS	GWYDIR PALLAMALLAWA
\$418002	01/01/1801	01/01/2101	01/08/1937	17/10/2013	01/01/1900	29/01/2013	170	62	368			DWR	SFP	MEHI RIVER @ MOREE
418003	01/01/1925	01/01/1930	01/08/1925	31/07/1929	01/08/1925	25/08/1925	2	2	20		31/07/1929	DWR	DISC	GWYDIR @ COPETON
\$418004	01/01/1801	01/01/2101	01/08/1929	17/10/2013	20/11/1928	29/01/2013	254	67	491	T C		DWR	SFP	GWYDIR @ YARRAMAN BD
\$418005	01/01/1801	01/01/2101	08/08/1924	01/11/2013	01/01/1900	15/02/2013	239	43	278 R			DWR	PI	COPECK @ KIMBERLEY
418006	01/01/1936	01/01/1948	01/07/1936	31/07/1942	18/06/1936	03/03/1947	8	8	75		10/07/1951	DWR	DISC	GWYDIR @ MEHI OFFTKE
418007	01/01/1937	01/01/1964	01/03/1937	30/06/1956	18/06/1936	21/10/1962	23	23	174		30/04/1992	DWR	DISC	GWYDIR (BOOLOOROO B)
\$418008	01/01/1801	01/01/2101	31/01/1937	21/08/2013	09/12/1936	27/11/2011	284	76	561 R			DWR	PPS	GWYDIR @ BUNDARRA
418009	01/01/1936	01/01/1949	01/01/1937	31/08/1938	12/12/1936	04/01/1948	6	6	79		04/05/1951	DWR	DISC	GWYDIR @ GRAVESEND
418010	01/01/1937	01/01/1950	26/09/1892	27/12/2004	16/12/1936	11/02/1956	970	21	116		31/08/1987	DWR	DISC	GWYDIR R @ BINGARA
\$418011	01/01/1801	01/01/2101	13/02/1979	27/06/2013	01/07/1978	29/01/2013	42	42	269			DWR	SFP	CAROLE D/S REGULATOR
\$418012	01/01/1801	01/01/2101	01/09/1949	21/08/2013	01/09/1949	03/03/2013	278	71	484			DWR	SFP	GWYDIR @ PINEGROVE
\$418013	01/01/1801	01/01/2101	02/01/1937	19/08/2013	01/01/1900	02/03/2013	324	91	586 R			DWR	SFP	GWYDIR @ GRAVESEND
\$418014	01/01/1801	01/01/2101	01/01/1955	23/08/2013	17/12/1954	11/02/2013	246	67	432 R			DWR	PI	GWYDIR @ YARROWYCK
\$418015	01/01/1801	01/01/2101	01/01/1910	20/08/2013	01/01/1900	22/07/2013	315	100	469			DWR	PPS	HORTON @ RIDER
418016	01/01/1972	01/01/2006	14/06/1978	05/01/2005	05/05/1978	05/12/2003	262	42	154	T C	05/01/2005	DWR	PJI	WARIALDA WARIALDA 3
\$418017	01/01/1801	01/01/2101	28/06/1964	20/08/2013	10/05/1964	14/07/2012	144	43	333	T C		DWR	PI	MYALL @ MOLROY
418018	01/01/1964	01/01/1990	21/03/1978	16/01/1989	01/03/1978	14/11/1987	181	18	198		16/03/1989	DWR	PRHG	KEERA CREEK @ KEERA
418019											30/06/1978	DWR	DISC	GWYDIR@KELVIN GROVE
418020	01/01/1965	01/01/1988	31/08/1965	15/09/1987	03/06/1965	18/08/1987	190	22	178		15/09/1987	DWR	DISC	BOOROLONG@YARROWYCK
\$418021	01/01/1801	01/01/2101	01/06/1965	18/06/2013	01/01/1900	06/12/2007	200	39	271			DWR	PI	LAURA @ LAURA
418022	01/01/1966	01/01/1990	20/03/1978	17/01/1989	18/12/1974	07/07/1988	130	6	185		20/04/1989	DWR	PRHG	GEORGES @ CLERKNES

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T	W H O	Discont.	Org. Net Code Class	NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i x	i m m n r p n m y	Date		
418023	01/01/1966	01/01/1989	16/06/1978	13/05/1988	09/06/1965	06/03/1987	175	19	190			13/05/1988	DWR PRHG	MOREDUN @ BUNDARRA
418024	01/01/1965	01/01/1990	01/08/1965	16/01/1989	01/01/1900	29/09/1988	159	23	194			16/01/1989	DWR PRHG	ROUMALLA @ KINGSTOWN
\$418025	01/01/1801	01/01/2101	13/06/1978	19/08/2013	15/06/1965	18/03/2011	299	51	307	R			DWR SMS	HALLS @ BINGARA
\$418026	* 01/01/1801	01/01/2101	09/11/1966	20/06/2013	21/07/1966	07/12/2002	156	17	282				DWR SFP	GWYDIR D/S COPETON
418027	01/01/1801	01/01/2101	30/06/1970	21/06/2013	08/05/1967	12/07/2012	211	45	253	R			DWR PI	HORTON @ HORTON DSTE
418028									23			30/06/1971	DWR DISC	WEAH WAA TERRY HIE H
418029	01/01/1967	01/01/1990	04/10/1982	01/01/1989	09/06/1967	19/08/1987	120	8	149			28/02/1989	DWR PRHG	GWYDIR @ STONYBATTER
418030	01/01/1967	01/01/1990	01/07/1984	01/03/1989	22/09/1967	08/04/1988	106	14	163			28/02/1989	DWR DISC	COPECK @ TINGHA
418031	01/01/1970	01/01/2000	09/12/1970	24/09/1999	01/12/1970	20/04/1990	180	25	116			24/09/1999	DWR DISC	GWYDIR @ COLLYMONGLE
\$418032	01/01/1801	01/01/2101	24/05/1979	03/07/2013	07/05/1979	02/02/2012	172	32	243				DWR PI	TYCANNAH @ HORSESHOE
418033	01/01/1972	01/01/1994	05/10/1978	05/02/1993	21/09/1975	13/12/1991	136	12	147			05/02/1993	DWR PRHG	BAKERS CK @ BUNDARRA
418034	01/01/1975	01/01/2006	14/03/1975	24/06/2005	14/03/1975	24/10/1999	138	15	196	R		24/06/2005	DWR PI	BOOROLONG BLACK MTN
\$418035	*		01/07/1974	04/10/2013						R T			DWR SFH	COPETON DAM
418036	01/01/1801	01/01/2101	01/10/1980	05/11/2013	01/01/1900	22/07/2013	139	31	251				DWR SFP	GWYDIR D/S BOOLOOROO
418037	01/01/1801	01/01/2101	03/02/1955	10/11/2013	01/06/1977	10/05/2013	140	33	239				DWR SFP	MEHI D/S COMBADELLO
418038									11			01/01/1974	DWR DISC	MEHI R @ WEIR SITE1
\$418039									13			01/01/1974	DWR DISC	MEHI R @ WEIR SITE2
418040												01/01/1973	DWR DISC	GWYDIR D/S MEHI OFTK
\$418041	01/01/1980	01/01/2003	01/10/1980	27/09/2002	01/09/1979	04/01/1999	136	17	134			21/11/2002	DWR DISC	MEHI R D/S GUNDARE
418042	01/01/1801	01/01/2101	19/10/1976	16/10/2013	28/01/1976	03/03/2013	199	59	347				DWR SFP	GWYDIR DS TAREELAROI
418043	* 01/01/1801	01/01/2101	01/10/1980	16/10/2013	01/01/1900	01/01/1900	1	1					DWR SFH	TAREELAROI STORAGE
418044	01/01/1801	01/01/2101	01/02/1977	01/08/2013	01/02/1977	04/09/2013	33	33	241				DWR SFP	MEHI D/S TAREELAROI
418045	01/01/1929	01/01/1940			18/04/1929	25/09/1933	5	5	51			31/03/1939	DWR DISC	GWYDIR @ BUNDARRA
418046					01/06/1971	04/04/2006	10	10	68				DWR DISC	MALLOWA KAMILAROI W
\$418047													DWR DISC	COMBADELLO STORAGE
418048	01/01/1801	01/01/2101	05/05/1982	18/11/2013	31/08/1977	02/05/2013	35	35	241				DWR SFP	MOOMIN COMBADELLO CU
\$418049	01/01/1801	01/01/2101	01/12/1986	06/08/2013	01/04/1977	22/03/2007	55	46	182				DWR SFP	MALLOWA CREEK @ REG
418050	01/01/1964	01/01/1972							51			08/02/1972	DWR DISC	WARIALDA WARIALDA 1
\$418051	01/01/1801	01/01/2101	01/06/1989	05/11/2013	01/01/1900	01/01/1900	100	1					DWR SFH	BOOLOOROO W. STORAGE
\$418052	01/01/1801	01/01/2101	01/10/1980	19/11/2013	01/10/1980	31/01/2013	129	37	216				DWR SFP	CAROLE CK NEAR GARAH
\$418053	01/01/1801	01/01/2101	22/10/1982	22/08/2013	21/12/1978	25/05/2013	154	51	221				DWR SFP	GWYDIR @ BRAGEEN XIN
418054	01/01/1982	01/01/1995	19/10/1982	22/03/1994	19/10/1982	07/01/1993	111	5	120			22/03/1994	DWR DISC	MOOMIN CK @ IFFLEY
\$418055	01/01/1801	01/01/2101	11/06/1980	19/11/2013	01/06/1980	04/12/2011	137	38	204				DWR SFP	MEHI NR COLLARENEBRI
418056			28/07/1981	27/02/1985	01/01/1900	01/01/1900	100	1	61			27/02/1985	DWR DISC	GWYDIR @ TYREEL
418057												01/01/1985	DWR DISC	GINGHAM WATERCOURSE
\$418058	01/01/1801	01/01/2101	06/02/1982	19/11/2013	01/01/1900	07/02/2012	122	20	194	T C			DWR SFP	MEHI RIVER @ BRONTE
418059									11				DWR SFH	MEHI U/S GUNDARE REG
\$418060	01/01/1801	01/01/2101	18/12/1984	28/11/2013	01/01/1900	18/08/2013	36	28	210				DWR SFP	MOOMIN @ GLENDELLO

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i u x i m m n r p n m y n p p d b h d d g	W H O Discont. Date	Org. Net Code Class	NAME
\$418061	01/01/1801	01/01/2101	17/02/1983	28/11/2013	01/01/1900	04/03/2011	137	29	194			DWR SFP	MOOMIN CK @ ALMA BR
\$418062	01/01/1992	01/01/2003	01/01/1992	31/01/2002	19/10/1993	04/03/2007	64	16	196			DWR CR	Moomin Creek off tak
\$418063	01/01/1801	01/01/2101	23/09/1985	17/10/2013	01/09/1985	04/05/2013	128	32	177			DWR SFP	GWYDIR D/S TYREEL
418064	01/01/1990	01/01/1997	08/03/1990	24/09/1996	13/10/1986	30/01/1995	114	15	75		07/05/1997	DWR DISC	GINGHAM WC WILLOWLEE
\$418065	01/01/1801	01/01/2101	22/06/1998	18/06/2013	11/05/1987	02/02/2001	4	4	28			DWR SFP	TYREEL STORAGE
\$418066	01/01/1801	01/01/2101	31/05/1988	22/08/2013	01/03/1988	19/02/2011	132	23	107			DWR SFP	GWYDIR @ MILLEWA
\$418067	01/01/1801	01/01/2101	16/12/1988	28/11/2013	01/01/1900	21/02/2011	132	24	160			DWR SFP	MOOMIN CLARENDON BDG
\$418068	01/01/1801	01/01/2101	06/02/1989	19/11/2013	01/06/1988	29/04/2011	136	36	143			DWR SFP	MEHI US BALLIN BOO
\$418069	01/01/1990	01/01/2006	10/05/1990	24/02/2005	03/05/1990	11/05/2000	102	3	50	R T C	24/02/2005	DWR PJI	BOXHILL NEARINVERELL
\$418070	01/01/1801	01/01/2101	29/03/1994	20/11/2013	21/03/1994	16/09/2011	27	27	101	R		DWR SFP	MOOMIN @ MOOMIN PLA
418071			07/05/1997	07/07/1999					9	T	10/11/1999	DWR DISC	GWYDIR NTH@BULLERANA
418072			11/04/1997	10/11/1999					9	T	10/11/1999	DWR DISC	RYLIE S & MIDKEN RD
418073			08/05/1997	22/10/1999						T	22/10/1999	DWR DISC	GWYDIR NTH@BAROONA
\$418074	01/01/1801	01/01/2101	09/04/1997	11/10/2013	09/04/1997	18/10/2010	9	8	70	T		DWR CR	GINGHAM CH.@ TERALBA
418075	01/01/1997	01/01/2003	07/05/1997	22/11/2002	07/05/1997	02/02/2001	5	5	18	T	22/11/2002	DWR DISC	GINGHAM @ WILLOWLEE
\$418076	01/01/1801	01/01/2101	08/05/1997	19/11/2013	08/05/1997	29/04/2008	7	7	74	T		DWR CR	GINGHAM CH.@TILLALOO
\$418077			08/04/1997	10/07/2009	01/01/1900	01/01/1900	1	1		T		DWR CH	GINGHAM CH@WATERHOLE
418078	01/01/1801	01/01/2101	08/04/1997	21/11/2013	08/04/1997	05/03/2013	16	16	85	T		DWR CR	GWYDIR @ ALLAMBIE BR
418079	01/01/1801	01/01/2101	06/05/1997	19/11/2013	06/05/1997	10/01/2013	14	14	94	T		DWR CR	GINGHAM @ GINGHAM BR
418080											04/07/2001	DWR DISC	BIG LEATHER@WOODBINE
418081									2		04/07/2001	DWR DISC	GINGHAM @ WOODLANDS
418082									2		04/07/2001	DWR DISC	GWYDIR @ CAIDMURRA B
\$418083			02/08/2000	12/09/2008	01/01/1900	01/01/1900	1	1		T		DWR CR	GINGHAM @ ROOKERY
418084											12/06/1987	DWR DISC	GINGHAM D/S WEIR
\$418085	01/01/1801	01/01/2101	20/11/2002	18/11/2013	19/11/2002	28/06/2007	7	7	73			DWR SFP	MEHI D/S GUNDARE REG
\$418086	01/01/1801	01/01/2101	06/10/2005	25/06/2013	06/10/2005	17/10/2010	3	3	52			DWR CR	CAROLE @ MIDKIN
\$418087	01/01/1801	01/01/2101	23/05/2006	30/08/2013	23/05/2006	02/02/2012	4	4	31			DWR SFP	MEHI AT CHINOOK
418088									3			DWR CR	Marshall @ Ashley
\$418089			27/07/2011	10/09/2012					7			DWR CR	Marshall @ Newell Hw
\$418090			01/09/2009	16/08/2010					3			DWR PJI	GWYDIR @ OLD DROMANA
418091			23/08/2011	20/11/2013	23/08/2011	23/08/2011	1	1	17			DWR PJI	THALABA CK @ BELARRE
\$418092			20/09/2011	28/06/2013					2			DWR CR	SLAUGHTER @ BINIGUY
41801001									5			DWR CR	HORTON U/S COBBADAH
41801002									5			DWR CR	COBBADAH @ DEVON PT
41801003									4			DWR CR	HORTON U/S ROCKY CK
41801004									5			DWR CR	ROCKY CK U/S HORTON
41801005									4			DWR CR	HORTON R. U/S PALLAL
41801006									5			DWR CR	PALLAL CK U/S HORTON

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41801007									4			DWR CR	HORTON R. @ LARKHILL
41801008									1			DWR CR	NOOGERA U/S HORTON
41810002											01/01/1900	DWR UNCL	COPETON DAM STN 2
41810034												DWR PJI	BigLeather @ Dromana
41810036												DWR PJI	Big Leather @ Troy
41810038												DWR PJI	Gingham @ Crinolyn
41810041												DWR PJI	Homebush
BASIN 419 - NAMOI RIVER													
\$419001	01/01/1801	01/01/2101	01/01/1864	25/10/2013	23/07/1921	31/01/2013	328	105	882	T C B		DWR SFP	NAMOI @ GUNNEDAH
419002	01/01/1891	01/01/1996	01/09/1890	17/12/2008	01/01/1890	01/01/2001	183	84	402			DWR CF	NAMOI @ NARRABRI
\$419003	01/01/1801	01/01/2101	08/08/1891	16/10/2013	01/08/1891	23/07/2013	166	90	599	T C		DWR SFP	NARRABRI CK@NARRABRI
419004	01/01/1915	01/01/1971			01/05/1915	25/08/1970	45	45	301		30/09/1970	DWR DISC	PEEL@BOWLING ALLEY P
\$419005	01/01/1801	01/01/2101	10/12/1915	19/09/2013	10/12/1915	02/02/2012	203	66	667	T		DWR PPS	NAMOI @ NTH CUERINDI
\$419006	01/01/1801	01/01/2101	27/12/1923	12/09/2013	04/12/1923	02/02/2012	264	107	842			DWR SFP	PEEL @ CARROLL GAP
\$419007	01/01/1801	01/01/2101	15/01/1910	20/09/2013	04/12/1923	21/05/2013	274	97	763			DWR SFP	NAMOI@D/S KEEPIT DAM
419008	01/01/1924	01/01/1929			05/06/1924	18/04/1927	4	4	18		31/08/1928	DWR DISC	MACDONALD @ RIMBAH
\$419009	01/01/1801	01/01/2101	14/01/1910	13/09/2013	23/01/1925	16/08/2012	113	37	329			DWR PRF	PEEL @ TAMWORTH
\$419010	01/01/1801	01/01/2101	29/11/1927	17/09/2013	25/10/1927	23/09/2013	202	80	582 R			DWR PI	MACDONALD @WOOLBROOK
419011	01/01/1936	01/01/1952							89			DWR CR	NAMOI@U/S MANILLA WR
\$419012	01/01/1801	01/01/2101	01/02/1955	25/10/2013	12/02/1937	29/11/2011	133	77	667			DWR SFS	NAMOI @ BOGGABRI
419013	01/01/1937	01/01/1961			23/06/1936	27/12/1959	15	15	154		31/12/1960	DWR DISC	NARRABRI CK @ KARUAH
419014	01/01/1936	01/01/1949							62		01/09/1948	DWR DISC	MANILLA @ WIMBORNE
\$419015	01/01/1801	01/01/2101	30/01/1971	11/09/2013	01/07/1936	09/08/2013	162	86	582			DWR SFP	PEEL @ PIALLAMORE
\$419016	01/01/1801	01/01/2101	25/02/1955	14/08/2013	01/07/1936	02/02/2012	243	92	594 R	T C B		DWR PPS	COCKBURN @MULLA XING
419017	01/01/1937	01/01/1945									04/07/1951	DWR DISC	NAMOI@BOGGABRI WSITE
419018	01/01/1936	01/01/1958			01/12/1936	26/12/1959	29	29	138		31/12/1960	DWR DISC	NAMOI @ KARUAH
419019	01/01/1956	01/01/1977	03/02/1984	31/07/1984	06/12/1956	15/02/1973	15	15			31/01/1976	DWR DISC	NAMOI @ WEE WAA
\$419020	01/01/1801	01/01/2101	16/10/1954	19/09/2013	24/01/1977	02/03/2013	255	52	511	T C B P	O	DWR PPS	MANILLA @ BRABRI
\$419021	01/01/1801	01/01/2101	31/03/1952	09/10/2013	09/04/1951	05/02/2012	218	51	495			DWR SFP	NAMOI @ BUGILBONE
\$419022	01/01/1801	01/01/2101	02/02/1942	20/09/2013	01/01/1900	11/01/2012	234	95	628			DWR PPS	NAMOI @ MANILLA
\$419023	01/01/1801	01/01/2101	07/11/1972	15/10/2013	01/01/1900	01/05/1995	300	2	236			DWR CF	NAMOI @ TURRAWAN
\$419024	01/01/1801	01/01/2101	19/10/1954	31/10/2013	11/12/1970	11/12/2010	292	53	491	T C B		DWR SFP	PEEL@U/S PARADISE WR
419025									12		21/11/1960	DWR DISC	BARADINE @ KENEBRI
\$419026	01/01/1801	01/01/2101	01/03/1955	10/10/2013	15/05/1958	30/07/2013	275	51	420	T C B		DWR SFP	NAMOI @ GOANGRA
\$419027	01/01/1801	01/01/2101	13/01/1964	24/10/2013	01/09/1957	21/07/2013	237	59	421	T		DWR PPS	MOOKI @ BREEZA
\$419028	01/01/1801	01/01/2101	30/09/1982	17/07/2013	21/07/1982	05/03/2013	114	20	248 R			DWR PI	MACDONALD @ RETREAT

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\$419029	01/01/1801	01/01/2101	30/11/1978	17/09/2013	26/11/1977	02/03/2013	290	74	363							DWR PI	HALLS CK @ UKOLAN
419030	01/01/1965	01/01/1989	31/12/1984	25/03/1987	01/12/1984	01/12/1984	25	1	160						25/03/1987	DWR DISC	MANILLA @ BARRABA
419031	01/01/1965	01/01/1986			09/03/1985	09/03/1985	100	1	143						30/06/1986	DWR DISC	MANILLA @GLEN RIDDLE
\$419032	01/01/1801	01/01/2101	17/10/1977	25/10/2013	31/12/1974	15/07/2012	125	23	248 R	T C B	W					DWR PPS	COXS CK @ BOGGABRI
\$419033	01/01/1801	01/01/2101	16/06/1981	22/10/2013	25/10/1980	20/07/2013	241	69	233 R	T C B						DWR PPS	COXS @TAMBAR SPRINGS
\$419034	01/01/1801	01/01/2101	22/05/1979	19/08/2013	13/08/1965	10/12/2010	193	57	286 R	T C B						DWR SPS	MOOKI @ CAROONA
\$419035	01/01/1801	01/01/2101	04/06/1965	16/08/2013	25/07/1981	01/03/2013	220	66	339 R							DWR PI	GOONOO @ TIMBUMBURI
419036	01/01/1965	01/01/1987	01/01/1982	01/12/1986	01/09/1981	13/08/1986	190	10	174						20/11/1986	DWR PRHG	DUNCANS CK @WOOLOMIN
419037	01/01/1969	01/01/1978							104						30/06/1978	DWR DISC	MULLA CK @BULLIMBALL
419038	01/01/1965	01/01/1988	30/04/1978	14/04/1987	01/01/1978	01/11/1984	110	9	170						14/04/1987	DWR DISC	MACDONALD @COBRABALD
\$419039	01/01/1801	01/01/2101	28/02/1955	15/10/2013	23/09/1972	18/07/2012	309	70	422	T C B						DWR SFP	NAMOI @ MOLLEE
419040	01/01/1965	01/01/1987	04/12/1974	09/12/1986	27/05/1973	30/07/1986	190	20	154						09/12/1986	DWR DISC	NAMOI @ WOMERAH
\$419041	*		01/07/1974	20/09/2013						R						DWR SFH	KEEPIT DAM
419042	01/01/1968	01/01/1988	31/08/1983	26/02/1987	17/03/1982	17/03/1982	100	1	118						26/02/1987	DWR DISC	MACDONALD@BONNIEDOON
\$419043	01/01/1801	01/01/2101	06/06/1973	19/09/2013	19/06/1968	12/07/2012	176	57	402	T C B P	O					DWR SFS	MANILLA@D/S SPLTROCK
419044	01/01/1968	01/01/1993	20/06/1968	02/11/1992	19/06/1968	28/12/1990	203	24	144						02/11/1992	DWR DISC	MAULES CK @ DAMSITE
\$419045	01/01/1801	01/01/2101	22/05/1972	11/09/2013	22/05/1972	08/08/2013	331	61	386	T						DWR SFP	PEEL@D/S CHAFFEY DAM
419046	01/01/1936	01/01/1947							100						21/02/1952	DWR DISC	PEEL @ ATTUNGA
\$419047	01/01/1801	01/01/2101	30/03/1988	18/09/2013	24/08/1985	02/03/2013	123	21	284							DWR SFS	IRONBARK @ WOODSREEF
419048									59						30/09/1986	DWR DISC	NAMOI @ HORNABROOKS
\$419049	01/01/1801	01/01/2101	14/06/1972	09/10/2013	28/03/1972	01/03/2013	194	42	246	T C B						DWR SFP	PIAN CK @ WAMINDA
419050	01/01/1977	01/01/1993	12/05/1977	22/10/1992	03/11/1974	01/08/1990	286	43	132						23/10/1992	DWR DISC	CONNORS CK @ BARRABA
\$419051	01/01/1801	01/01/2101	15/07/1975	15/10/2013	01/01/1972	01/05/2013	253	58	284							DWR PI	MAULES CK@AVOCA EAST
419052	01/01/1972	01/01/1990	01/10/1972	21/07/1998	01/10/1972	12/12/2002	151	11	89						31/01/1998	DWR DISC	COXS CK @ MULLALEY
\$419053	01/01/1801	01/01/2101	22/08/1972	18/09/2013	22/08/1972	12/07/2012	366	70	284							DWR PI	MANILLA@BLACK SPRING
419054	01/01/1801	01/01/2101	21/05/1974	14/08/2013	21/05/1974	01/09/1998	234	33	254							DWR PI	SWAMP OAK CK @LIMBRI
419055	01/01/1974	01/01/1990	21/05/1974	10/02/1989	21/05/1974	20/05/1988	133	10	99						10/02/1989	DWR DISC	MULLA CK @ GOLDCLIFF
\$419056	01/01/1801	01/01/2101	19/11/1996	19/09/2013	01/01/2001	07/09/2013	40	31	246	T C B P	O					DWR SFP	MANILLA@UPPER MANILA
419057									24						31/08/1931	DWR DISC	NAMOI @ WALGETT
419058									1						08/12/1986	DWR DISC	NAMOI@D/S KEEPIT DAM
\$419059	01/01/1801	01/01/2101	07/04/1976	09/10/2013	11/09/1975	19/07/2012	125	25	266							DWR SFP	NAMOI @D/S GUNIDGERA
\$419060	*		14/12/2006	09/10/2013												DWR CH	NAMOI@GUNIDGERA STOR
\$419061	01/01/1801	01/01/2101	29/07/1975	14/10/2013	29/07/1975	13/01/2013	161	62	310							DWR SFP	GUNIDGERA CK@D/S REG
\$419062	*		14/12/2006	16/10/2013												DWR CH	NAMOI@MOLLEE WR STOR
\$419063	01/01/1801	01/01/2101	28/10/1998	14/10/2013	01/10/1998	01/05/2013	19	10	226							DWR SFP	GUNIDGERA-PIAN CUTNG
\$419064	01/01/1801	01/01/2101	01/10/1990	14/10/2013	01/01/1990	04/01/2013	21	13	218							DWR SFP	PIAN CK @ ROSSMORE
419065									21						31/12/1986	DWR DISC	PIAN CK @ OLD BURREN
419066	*		10/01/1974	11/12/2012					4	C						DWR PRH	GORAN LK@HOKEY POKEY

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	i m m n r p n m y	Date	Code Class	
\$419067	*		13/11/1992	16/05/2013								16/05/2013	DWR SFH	NAMOI @WEETA WR STOR
\$419068		01/01/1801 01/01/2101	26/10/1978	11/10/2013	25/10/1978	03/02/2013	196	45	247				DWR SFP	NAMOI@D/S WEETA WEIR
\$419069	*		01/06/1979	15/08/2013						R T			DWR SFH	CHAFFEY DAM
\$419070		01/01/1801 01/01/2101	25/06/1980	12/09/2013	01/01/1900	14/07/2012	116	16	234				DWR SFP	PEEL @ TAMWORTH W/S
419071									2			15/02/1949	DWR DISC	MACDONALD @BENDEMEER
419072		01/01/1981 01/01/2009	17/06/1981	13/08/2008	01/06/1981	01/06/2005	145	19	134			16/11/2011	DWR PJI	BARADINE @ KIENBRI 2
\$419073		01/01/1801 01/01/2101	31/10/1996	12/09/2013	01/01/1900	01/03/2013	110	10	145	T			DWR SFH	PEEL @ APPLEBY
\$419074		01/01/1801 01/01/2101	29/10/1996	12/09/2013	24/10/1996	01/03/2013	119	28	167	T			DWR SFH	PEEL @ BECTIVE
\$419075		01/01/1801 01/01/2101	30/10/1996	14/03/2012	17/11/1994	11/12/2010	116	17	133	T			DWR SFH	PEEL @ SOMERTON
\$419076		01/01/1801 01/01/2101	15/06/1982	11/07/2013	15/06/1982	15/06/2011	247	59	161	R T C B			DWR PI	WARRAH @ OLD WARRAH
419077					10/01/1996	10/01/1996	2	1	6			10/01/1996	DWR DISC	DUNGOWAN @DAM INFLOW
419078					27/02/1992	10/01/1996	3	2	12			10/01/1996	DWR DISC	DUNGOWAN@DAM OUTFLOW
\$419079		01/01/1801 01/01/2101	03/09/1998	09/10/2013	01/12/2000	05/03/2013	67	18	168				DWR SFP	GUNIDGERA@D/S CUTTIN
\$419080	*		22/12/1989	19/09/2013	31/01/2000	31/01/2000	1	1		R T	W H		DWR SFH	SPLIT ROCK DAM
\$419081		01/01/1801 01/01/2101	05/07/1991	15/08/2013	05/07/1991	01/03/2013	30	30	157	R T C B			DWR PJI	PEEL @ TAROONA
\$419082		01/01/1993 01/01/2001	12/10/1993	18/04/2000					42			18/04/2000	DWR DISC	NAMOI@U/S DUNCAN JCT
\$419083		01/01/1801 01/01/2101	14/10/1993	11/10/2013	01/07/1993	31/01/2012	15	15	106				DWR SMS	BRIGALOW CK @THARLNE
\$419084		01/01/1801 01/01/2101	29/06/1994	11/07/2013	29/06/1994	15/07/2012	16	16	128	R T C B W			DWR CR	MOOKI @ RUVIGNE
\$419085		01/01/1801 01/01/2101	07/06/1995	22/10/2013	01/03/1995	28/01/2013	25	25	75	R T C B			DWR CR	BOMERA CK @TAMBAR RD
\$419086		01/01/1801 01/01/2101	06/12/1995	22/10/2013	01/11/1995	28/01/2013	24	24	73	R T C B			DWR CR	BUNDELLA CK@BUNDELLA
\$419087		01/01/1995 01/01/2005	07/12/1995	22/06/2004	01/12/1995	28/07/2001	14	13	63	R T C B		22/06/2004	DWR PJI	BIG JACKS @ WARRAH
\$419088		01/01/1801 01/01/2101	07/11/1996	14/10/2013	01/07/1996	01/05/2013	5	5	111	T			DWR SFP	PIAN CK @ CUBBAROO
\$419089		01/01/1801 01/01/2101	05/11/1996	09/10/2013	01/11/1996	22/05/2013	43	24	114	T			DWR SFP	PIAN CK @ DEMPSEYS
\$419090		01/01/1801 01/01/2101	07/11/1996	14/10/2013	01/01/2001	29/08/2013	14	14	113	T			DWR SFP	B+B CH @ DOREEN LANE
\$419091		01/01/1801 01/01/2101	18/11/1996	12/11/2013	01/01/1900	14/02/2012	23	15	110	T			DWR SFP	NAMOI @ U/S WALGETT
419092												02/12/1997	DWR DISC	MOORE CREEK@D/S DAM
\$419093		01/01/1801 01/01/2101	02/03/1999	10/07/2013	01/01/1900	01/01/1900	1	1					DWR CH	YARRAMAN @ SPRING RG
\$419094		01/01/1801 01/01/2101	20/01/1995	12/11/2013	01/01/2000	04/02/2012	12	12	92				DWR SFP	NAMOI @D/S DUNCANS J
\$419095		01/01/1801 01/01/2101	18/04/2000	12/11/2013	01/10/2000	04/02/2013	22	18	99	T			DWR SFP	NAMOI @ BULLAWA
\$419096		01/01/1801 01/01/2101	20/07/2001	11/09/2013	01/01/1900	01/01/1900	1	1					DWR SFH	PEEL @CHAFFEY OUTLET
\$419097		01/01/1801 01/01/2101	06/08/2002	15/08/2013	05/08/2002	14/07/2012	20	20	84	T C B			DWR SMS	GOONOO @ MEADOWS LAN
\$419098		01/01/1801 01/01/2101	21/05/2003	23/10/2013	01/05/2003	14/07/2012	2	2	36				DWR SMS	QUIRINDI @ GREENACRE
\$419099		01/01/1801 01/01/2101	23/02/2006	14/08/2013	23/02/2006	23/07/2013	12	11	60	T C			DWR PRF	COCKBURN @ KOOTINGAL
419100			26/03/2009	06/08/2012						T		06/08/2012	DWR DISC	NAMOI @ GALA
419101			27/03/2009	19/11/2009						T		19/11/2009	DWR DISC	NAMOI @ YARRAL
\$419102			26/08/2010	22/10/2013	08/07/2010	21/07/2013	3	3	22				DWR CR	COXS CK @ TOURABLE
\$419103		01/01/1801 01/01/2101	12/07/2011	15/08/2013	12/07/2011	02/02/2012	2	2	17				DWR CR	DGWAN CK @ U/S DGWN
\$419104		01/01/1801 01/01/2101	24/09/2010	14/08/2013	24/09/2010	24/09/2010	1	1	15				DWR CR	MOORE CK @ SLP ROCK

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\$419105			17/05/2011	11/10/2013	16/05/2011	14/07/2012	2	2	16			DWR CR	BARADINE CK @ GWABGR
\$419106			11/04/2011	20/08/2013	05/04/2011	05/04/2011	1	1	23	T C B		DWR CR	QUIRINDI@DURY BRIDGE
\$419107			08/09/2011	18/09/2013	17/11/2009	21/07/2013	11	11	36			DWR CR	MANILLA RVR @BARRABA
\$419108			08/09/2011	12/11/2013	16/09/2011	16/09/2011	1	1	30			DWR CR	NAMOI@YARRALDOOL
419109												DWR PJI	COCKBURN @ EVERGREEN
419110			29/06/2012	12/11/2013								DWR CH	NAMOI @ YARRAL EAST
419111			07/08/2012	09/10/2013	03/08/2012	11/10/2012	3	3	20			DWR CR	PIAN CK @ OLD BURREN
\$419900	01/01/1801	01/01/2101	22/09/1932	14/10/2013								DWR CF	NAMOI @ GLENCOE
\$419905	01/01/1801	01/01/2101	04/03/1977	16/10/2013	08/06/1995	16/06/2005	2	2	2			DWR CF	BOHENA CK @ NEWELL
41901002			11/04/2003	19/08/2003					6		22/02/2006	DWR DISC	COCKBURN @ KOOTINGAL
41901008			11/04/2003	07/08/2003	01/01/1900	01/01/1900	1	1	3			DWR PJI	COCKBURN @ NEMINGHA
41901009					25/10/2004	25/10/2004	1	1	2		28/10/2004	DWR DISC	Ironbark @ Neranghi
41901010			14/04/2005	24/04/2013						T		DWR GWP	QUIPOLLY@U/S KAMILAR
41901011			28/03/2008	21/10/2008						T	21/10/2008	DWR PJI	Cockburn @Ballantine
41901012			10/07/2008	22/10/2008						T	22/10/2008	DWR PJI	Cockburn @ Treloars
41901013			10/07/2008	23/10/2008						T	23/10/2008	DWR PJI	Cockburn R @ Bates'
41909001					17/11/2009	01/01/2011	6	6	16		02/08/2011	DWR DISC	BARRABA
41910048											20/01/1999	DWR DISC	BVD001
41910049											22/05/1998	DWR DISC	BVD002
41910050											22/05/1998	DWR DISC	BVD003
41910278												DWR	SPLIT ROCK @ REC
41910279												DWR	KEEPFIT @ REC AREA

BASIN 420 - CASTLEREAGH RIVER

420001	01/01/1950	01/01/1982	15/01/1910	23/12/2007					173		11/04/2000	DWR DISC	CSTLEREAGH@GILGANDRA
420002	01/01/1951	01/01/1970			01/10/1909	19/07/1968	13	18	87		29/01/1971	DWR DISC	CSTLEREAGH @COONA #1
\$420003	01/01/1801	01/01/2101	25/01/1972	20/11/2013	26/11/1951	01/02/2013	175	32	305 R			DWR PI	BELAR CK @ WARKTON
\$420004	01/01/1801	01/01/2101	15/01/1910	03/10/2013	01/01/1953	03/03/2004	430	89	238			DWR CF	CSTLEREAGH@MENDOORAN
420005	01/01/1960	01/01/2003	27/02/1912	25/12/2007	23/10/1958	30/04/2002	131	36	203		30/04/2002	DWR DISC	CSTLEREAGH@COONAMBLE
420006									51		11/12/1980	DWR DISC	WARRENA CK@COONAMBLE
\$420007	01/01/1801	01/01/2101	25/08/2010	19/11/2013	27/08/2010	27/08/2010	10	1	141			DWR CR	CSTLEREAGH @BINNAWAY
420008	01/01/1965	01/01/1984							63		01/01/1984	DWR DISC	BINNIA CK @ ULINDA
420009	01/01/1965	01/01/1977			07/05/1965	25/01/1976	11	11	75		22/07/1981	DWR DISC	MERRYGOEN @MENDOORAN
420010	01/01/1965	01/01/2003	28/11/1979	03/05/2002	19/11/1977	19/07/2000	147	12	118		03/05/2002	DWR DISC	WALLUMBURRAWANG@BEAR
420011	01/01/1966	01/01/1974	31/05/1983	17/06/1999					44		01/06/1973	DWR DISC	BARONNE@GULARGAMBONE

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y n p p d b H d d g	W H O i u x D a t e	Discont.	Org. Net Code Class	NAME
420012	01/01/1968	01/01/2003	21/11/1979	02/05/2002	21/11/1979	21/11/1979	100	1	109			02/05/2002	DWR DISC	BUTHEROO CK @NEILREX
420013	01/01/1969	01/01/1982	05/12/1969	09/10/1981	01/01/1969	10/08/1978	115	4	92			01/01/1982	DWR DISC	CSTLEREAGH @COONA #2
420014	01/01/1970	01/01/2003	23/06/1987	30/04/2002	23/06/1987	19/07/2000	110	3	60			30/04/2002	DWR DISC	MAGOMETON@NR CONMBL3
420015	01/01/1970	01/01/2003	02/02/1971	30/04/2002	02/01/1980	17/06/1999	150	8	108			30/04/2002	DWR DISC	WARRENA CK @ WARRANA
420016	01/01/1975	01/01/1992	25/03/1975	27/03/1991	25/03/1975	30/06/1976	105	2	56			01/01/1992	DWR DISC	JACK HALLS@NR COONA
\$420017	01/01/1801	01/01/2101	26/02/1980	19/11/2013	01/01/1980	30/07/2013	176	14	168	T C			DWR PPS	CSTLEREAGH@HDDEN VLY
420018													DWR DISC	CSTLEREAGH@RANTER CK
420019					19/04/1978	03/03/2012	30	4	33				DWR CR	CASTLEREAGH@ULAMAMBR
\$420020	01/01/1801	01/01/2101	30/05/2001	30/07/2013	30/05/2001	20/11/2009	35	5	51	T C			DWR PPS	CASTLEREAGH@GUNGALMN
420021					04/10/2001	01/01/2011	5	2	23				DWR CR	BELAR CK@GRAHAM XING
\$420022			26/08/2010	20/11/2013	26/08/2010	26/08/2010	5	1	11				DWR CR	CASTLEREAGH@COONA#3
420023									1				DWR CR	CSTLEREAGH@COONAMBLE
\$420901	01/01/1801	01/01/2101	24/02/1955	29/07/2013	01/01/1900	01/01/1900	1	1					DWR PRH	CASTLEREAGH@LUCAS BR
420001	01/01/1950	01/01/1982	15/01/1910	23/12/2007					173			11/04/2000	DWR DISC	CSTLEREAGH@GILGANDRA
420002	01/01/1951	01/01/1970			01/10/1909	19/07/1968	13	18	87			29/01/1971	DWR DISC	CSTLEREAGH @COONA #1
\$420003	01/01/1951	01/01/2012	25/01/1972	01/11/2011	26/11/1951	12/05/2008	170	30	294 R				DWR PI	BELAR CK @ WARKTON
\$420004	01/01/1913	01/01/2012	15/01/1910	09/03/2011	01/01/1953	03/03/2004	430	89	238				DWR CF	CSTLEREAGH@MENDOORAN
420005	01/01/1960	01/01/2003	27/02/1912	25/12/2007	23/10/1958	30/04/2002	131	36	203			30/04/2002	DWR DISC	CSTLEREAGH@COONAMBLE
\$420007	01/01/1965	01/01/1982							129				DWR CR	CSTLEREAGH @BINNAWAY
420008	01/01/1965	01/01/1984							63			01/01/1984	DWR DISC	BINNIA CK @ ULINDA
420009	01/01/1965	01/01/1977			07/05/1965	25/01/1976	11	11	75			22/07/1981	DWR DISC	MERRYGOEN @MENDOORAN
420010	01/01/1965	01/01/2003	28/11/1979	03/05/2002	19/11/1977	19/07/2000	147	12	118			03/05/2002	DWR DISC	WALLUMBURRAWANG@BEAR
420011	01/01/1966	01/01/1974	31/05/1983	17/06/1999					44			01/06/1973	DWR DISC	BARONNE@GULARGAMBONE
420012	01/01/1968	01/01/2003	21/11/1979	02/05/2002	21/11/1979	21/11/1979	100	1	109			02/05/2002	DWR DISC	BUTHEROO CK @NEILREX
420013	01/01/1969	01/01/1982	05/12/1969	09/10/1981	01/01/1969	10/08/1978	115	4	92			01/01/1982	DWR DISC	CSTLEREAGH @COONA #2
420014	01/01/1970	01/01/2003	23/06/1987	30/04/2002	23/06/1987	19/07/2000	110	3	60			30/04/2002	DWR DISC	MAGOMETON@NR CONMBL3
420015	01/01/1970	01/01/2003	02/02/1971	30/04/2002	02/01/1980	17/06/1999	150	8	108			30/04/2002	DWR DISC	WARRENA CK @ WARRANA
420016	01/01/1975	01/01/1992	25/03/1975	27/03/1991	25/03/1975	30/06/1976	105	2	56			01/01/1992	DWR DISC	JACK HALLS@NR COONA
\$420017	01/01/1980	01/01/2012	26/02/1980	01/11/2011	01/01/1980	01/01/2010	170	12	157	T C			DWR PPS	CSTLEREAGH@HDDEN VLY
\$420020	01/01/2001	01/01/2012	30/05/2001	08/09/2011	30/05/2001	20/11/2009	35	5	45	T C			DWR PPS	CASTLEREAGH@GUNGALMN
\$420022													DWR CR	CASTLEREAGH@COONA#3
\$420901			24/02/1955	10/03/2011	01/01/1900	01/01/1900	1	1					DWR PRH	CASTLEREAGH@LUCAS BR

BASIN 421 - MACQUARIE RIVER

\$421001	01/01/1801	01/01/2101	23/08/1886	13/11/2013	01/07/1920	17/03/2013	200	47	611	T C			DWR SFP	MACQUARIE @ DUBBO
421002	01/01/1919	01/01/1961	09/07/1981	31/01/1991	03/04/1909	26/02/1956	25	24	263			29/05/1961	DWR DISC	MACQUARIE@BURRENDONG
\$421003	01/01/1801	01/01/2101	01/01/1870	17/07/2013	01/01/1900	09/02/1978	65	61	463				DWR CF	MACQUARIE@WELLINGTON

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R a t t o u i m m p n p p	W h o u x D i s c o n t .	Discont. Date	Org. Net Code Class	NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug					
\$421004	01/01/1801	01/01/2101	26/10/1897	20/09/2013	01/01/1911	25/12/2007	155	37	454	T C			DWR SFP	MACQ @ WARREN WEIR
421005	01/01/1801	01/01/2101	14/01/1910	19/09/2013	16/10/1923	01/06/2010	260	45	467				DWR SFP	GUNNINGBAR @D/S REG
421006	01/01/1801	01/01/2101	02/09/1892	18/12/2010	01/05/1920	01/01/1997	132	21	438			01/07/1982	DWR DISC	MACQUARIE @NARROMINE
421008	01/01/1913	01/01/1960	09/07/1974	09/11/2005					220			01/12/1959	DWR DISC	BELL @ WELLINGTON
421009	01/01/1924	01/01/1931	10/12/1985	27/01/1991					27			30/09/1930	DWR DISC	MACQUARIE @MACQ VALE
421010	01/01/1925	01/01/1968	26/09/1892	11/02/1991					20			23/08/1967	DWR DISC	BOGAN @ PEAK HILL 1
\$421011	01/01/1801	01/01/2101	14/06/1968	29/10/2013	01/01/1900	26/12/2007	342	29	272	T C			DWR SFP	MARTHAGUY @ CARINDA
\$421012	01/01/1801	01/01/2101	18/12/1938	29/10/2013	15/04/1926	23/06/2013	265	64	388	R T C			DWR SFP	MACQUARIE @ CARINDA
421013	01/01/1927	01/01/1940			04/03/1927	25/08/1939	4	4	73			30/11/1939	DWR DISC	CUDGEGONG @GUNTAWANG
421014	01/01/1933	01/01/1961	27/07/1886	08/10/2009	01/09/1890	01/06/2004	120	16	174			01/01/1961	DWR XFR	MACQUARIE@WARREN TWN
421015	01/01/1801	01/01/2101	01/01/1986	19/09/2013	20/04/1936	01/12/2011	355	29	357				DWR SFT	DUCK CK @ OFFTAKE
421016	01/01/1801	01/01/2101	01/01/1986	19/09/2013	20/04/1936	27/02/2012	281	26	345				DWR SFT	CROOKED CK @ PROFILE
421017	01/01/1801	01/01/2101	01/01/1986	19/09/2013	10/07/1936	17/07/2012	285	29	372				DWR SFT	GUNNINGBAR @D/S WEIR
\$421018	01/01/1801	01/01/2101	15/05/1973	17/10/2013	29/07/1939	29/02/2012	225	57	431	T C B			DWR PPS	BELL @ NEWREA
\$421019	01/01/1801	01/01/2101	13/12/1955	20/11/2013	02/08/1939	24/08/2003	40	34	413	T C			DWR SFP	CUDGEGONG@YAMBLE BDG
421020	01/01/1953	01/01/1998	01/01/1986	30/04/1997	22/04/1942	12/06/2008	250	29	294			27/10/2011	DWR DISC	NYNGAN CHNNL@OFFTAKE
421021	01/01/1944	01/01/1951	04/02/1991	14/12/1991					14			01/04/1951	DWR DISC	TALBRAGAR @ BENI
\$421022	01/01/1801	01/01/2101	01/01/1955	12/11/2013	01/01/1943	18/09/2008	160	22	327				DWR SFP	MACQUARIE @OXLEY STN
\$421023	01/01/1801	01/01/2101	30/11/1942	29/10/2013	02/11/1945	07/01/2011	240	34	257	T C			DWR SFP	BOGAN @ GONGOLGON
421024	01/01/1945	01/01/1977			28/05/1926	31/01/1976	14	14	82			15/12/1980	DWR DISC	MARRA CK @ YARRAWIN
\$421025	01/01/1801	01/01/2101	04/08/1955	13/11/2013	05/09/1947	12/12/2006	190	30	386	T C			DWR SFP	MACQUARIE @ BRUINBUN
\$421026	01/01/1801	01/01/2101	10/09/1947	08/11/2005	10/09/1947	02/03/2013	305	84	442	T C			DWR PI	TURON @ SOFALA
\$421027	01/01/1801	01/01/2101	28/07/1990	19/06/2013	01/01/1900	01/01/1900	1	1	9				DWR CF	BELL @ GOWAN GREEN
421028	01/01/1913	01/01/1955			16/02/1949	16/02/1949	1	1	24			09/10/1954	DWR DISC	TALBRAGAR @ COBBORAH
421029	01/01/1950	01/01/1955			14/03/1950	14/03/1950	1	1	29			30/09/1954	DWR DISC	TALBRAGAR @ GRAVELS
421030	01/01/1954	01/01/1968			09/05/1954	11/06/1964	2	2	59			05/02/1967	DWR DISC	MEROO CK @ YARRABIN1
\$421031	01/01/1801	01/01/2101	01/01/1980	13/11/2013	29/07/1954	09/08/2011	175	33	371				DWR SFP	MACQUARIE @ GIN GIN
421032	01/01/1954	01/01/1978							143			21/10/1977	DWR DISC	MCKEONS CK @ DAMSITE
421033	01/01/1954	01/01/1978							145			20/10/1977	DWR DISC	BINDO CK@D/S GUM VAL
421034	01/01/1954	01/01/2003	16/06/1978	10/04/2002	20/11/1974	20/11/1974	110	1	251			10/04/2002	DWR DISC	SLIPPERY @ DAM SITE
421035	01/01/1954	01/01/1990	17/10/1969	08/11/2005	20/10/1954	01/04/1996	145	14	241			01/01/1990	UNK DISC	FISH @ TARANA RD BDG
\$421036	01/01/1954	01/01/1982	11/08/1955	20/02/1981	01/01/1800	19/10/1976	120	11	155			20/02/1981	DWR DISC	DUCKMALOI@DS DAMSITE
421037	01/01/1955	01/01/1977			07/12/1955	01/01/1974	23	23	142			11/04/2000	DWR DISC	TALBRAGAR@NARRANMORE
421038	01/01/1957	01/01/1981			14/03/1957	10/10/1973	13	14	155			28/06/1980	DWR DISC	CUDGEGONG@RYLSTONE B
\$421039	01/01/1801	01/01/2101	24/01/1954	03/12/2013	21/05/1959	13/11/2011	190	32	153	T C			DWR PPS	BOGAN @ NEURIE PLAIN
\$421040	01/01/1801	01/01/2101	01/02/1949	18/11/2013	18/11/1960	05/12/2010	330	80	474	T C			DWR SFP	MACQ @D/S B/DONG DAM
421041	01/01/1963	01/01/1981	25/08/1969	22/03/1976	10/12/1963	10/12/1963	100	1	93			26/06/1980	DWR DISC	CRUDINE @ TURON JUNC
\$421042	01/01/1801	01/01/2101	18/11/1970	11/11/2013	10/11/1964	28/09/2011	295	51	257	T C			DWR PPS	TALBRAGAR @ 2(ELONG)

Station Number	FLOWS StartEnd		HEIGHTS StartEnd		RATINGS FirstLast StartsStarts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y n p p d b H d d g	W H O i u x D a t e	Discont.	Org. Net Code Class	NAME
421043	01/01/1965	01/01/1981							92		30/06/1980	DWR DISC	WISEMANS CK@WISEMANS	
421044	01/01/1965	01/01/1986			20/05/1965	15/06/1966	2	2	113		27/08/1985	DWR DISC	SEWELLS @WISEMANS CK	
421045	01/01/1966	01/01/1973			01/01/1966	17/12/1985	210	27	68		01/04/1972	DWR DISC	DUCK CK@U/S BOGAN JN	
421046	01/01/1965	01/01/1973			01/01/1965	22/10/1986	105	9	79		01/04/1972	DWR DISC	GUNNINGBAR@U/S BOGAN	
421047	01/01/1966	01/01/1976	14/10/1988	22/11/1991					89		01/03/1975	DWR DISC	TALBRAGAR @MERUTHERA	
\$421048	01/01/1801	01/01/2101	28/07/1981	19/11/2013	09/07/1965	27/11/2010	245	24	229	T C B		DWR PI	LITTLE @ OBLEY 2	
421049	01/01/1965	01/01/1997	19/10/1966	03/09/1996	13/07/1965	08/12/1980	100	3	117		01/01/1997	DWR DISC	MOLONG @ MOLONG	
\$421050	01/01/1801	01/01/2101	21/02/1974	16/10/2013	23/07/1969	26/12/2010	265	51	247			DWR PI	BELL @ MOLONG	
421051	01/01/1965	01/01/1979			16/06/2009	06/02/2010	110	2	99		27/05/1980	DWR DISC	B/MANS SWMP@NR ORNGE	
421052	01/01/1965	01/01/1979	31/08/1965	15/03/1978	01/07/1965	11/12/1974	110	4	108		09/03/1978	DWR DISC	LEWIS PONDS @ OPHIR	
421053	01/01/1965	01/01/1984	12/10/1971	20/01/1976	23/07/1965	20/01/1983	7	7	116		19/01/1983	DWR DISC	Q CHARLOTTES@GGS PLN	
421054	01/01/1965	01/01/1982							116		30/04/1980	DWR DISC	CAMPBELLS@NR ROCKLEY	
\$421055	01/01/1801	01/01/2101	25/06/1956	11/11/2013	17/07/1968	27/12/2009	210	12	166	T C B		DWR SMS	COOLBAGGIE@RAWSONVIL	
421056	01/01/1966	01/01/2000	26/11/1980	22/03/2000	15/07/1966	21/06/1985	121	19	179		05/08/1999	DWR DISC	COOLABURRAGUNDY@COOL	
421057	01/01/1966	01/01/1979	07/08/1966	02/02/1976	01/08/1966	30/09/1975	215	24	93		30/09/1978	DWR DISC	CAMPBELLS @ APSLEY	
421058	01/01/1966	01/01/1984			24/08/1966	02/01/1967	2	2	90		31/12/1982	DWR DISC	WYALDRA CK @ GULGONG	
\$421059	01/01/1966	01/01/2005	27/09/1999	17/06/2004	01/01/1978	01/01/2001	30	3	119	T C		DWR DISC	BUCKINBAH @ YEOVAL	
421060	01/01/1967	01/01/1979			03/09/1966	01/12/1971	2	2	50		31/12/1978	DWR DISC	MARRA @ MARRABANK	
421061	01/01/1966	01/01/1984	01/01/1984	28/02/1993	14/09/1966	01/03/1969	2	2	96		01/01/1984	DWR DISC	MERRIx2 @NR QUAMBONE	
421062	01/01/1966	01/01/1983			14/09/1966	13/06/1988	105	4	100		01/01/1983	DWR DISC	MARTHAGUY @ QUAMBONE	
421063	01/01/1966	01/01/1998	01/01/1986	30/04/1997	16/09/1966	10/06/1974	100	3	72			DWR PRHG	EWENMAR CK @ WARREN	
421064	01/01/1966	01/01/1986	10/06/1986	25/02/1998	22/09/1966	17/04/1973	5	5	108		03/03/1999	DWR DISC	SANDY CK @ MEDWAY 2	
421065	01/01/1966	01/01/2000	11/06/1986	03/06/1999	29/09/1966	25/07/1990	101	3	90		01/01/1999	DWR DISC	MITCHELL @ WESTELLA	
421066	01/01/1966	01/01/2003	10/02/1975	01/02/2002	23/11/1966	20/01/1995	136	14	147		01/02/2002	DWR DISC	GREEN VALLEY@HILLEND	
421067	01/01/1966	01/01/1976							56		05/06/1975	DWR DISC	PYRAMUL CK @HILL END	
\$421068	01/01/1967	01/01/2005	08/09/1977	09/09/2004	09/11/1966	12/05/1985	115	10	142	T C	09/09/2004	AG XFR	SPICERS @ SAXA XING	
421069	01/01/1966	01/01/1976	01/11/1966	16/01/1975	08/11/1966	17/12/1985	170	21	106		01/01/1976	DWR DISC	BOGAN @ BROOMFIELD	
421070									80		11/04/2000	DWR DISC	CROOKED @ MUMBLEBONE	
421071									67		31/08/1981	DWR DISC	DUCK CREEK @ COLANE	
421072	01/01/1968	01/01/1979	05/02/1968	24/03/1976	04/02/1968	05/09/1978	220	25	77		31/10/1978	DWR DISC	WINBURNDALE RIV@HOWA	
421073	01/01/1968	01/01/1984							91		31/12/1982	DWR DISC	MEROO @ YARRABIN 2	
421074	01/01/1968	01/01/1979							74		12/05/1978	DWR DISC	C/GONG@APPLE TREE FL	
421075	01/01/1968	01/01/1984							84		30/06/1982	DWR DISC	EVANS PLNS@NR B/HUST	
\$421076	01/01/1801	01/01/2101	19/01/1925	31/10/2013	01/07/1969	19/02/2002	121	9	95			DWR CF	BOGAN@PEAK HILL NO.2	
421077					28/02/1968	12/12/1973	14	14				DWR DISC	MACQ @ B/DONG SPILL	
421078	* 01/01/1801	01/01/2101	30/03/1965	18/07/2013	01/10/1976	01/10/1976	100	1		R		DWR CH	BURRENDONG DAM	
\$421079	01/01/1801	01/01/2101	27/02/1970	24/10/2013	01/01/1970	11/09/2012	200	22	252	T C		DWR SFP	C-GONG@d/S WINDAMERE	
421080	01/01/1971	01/01/1979	30/06/1971	11/10/1978	29/06/1971	12/09/1976	105	5	45		11/10/1978	DWR DISC	MACQ @DIXONS LONG PT	

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O					Discont. Date	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug	a t t o u i m m n r p n m y n p p d b H d d g	x D i s c o n t i n u e d g	Code	Class					
421081	01/01/1971	01/01/1984							63					21/01/1983	DWR	DISC	PEPPERS CK @ ROCKLEY	
421082	01/01/1971	01/01/1983	16/11/1971	16/06/1982	16/11/1971	08/01/1980	220	25	74					01/01/1983	DWR	DISC	BELL@BELOW DAM SITE	
\$421083	01/01/1801	01/01/2101	13/11/1950	31/10/2013	01/12/1971	15/09/2003	111	12	54	T	C				DWR	CF	BOGAN @ DANDALOO	
421084	01/01/1973	01/01/2000	19/09/1973	02/03/1999	01/09/1973	20/07/1981	120	5	60	R				02/03/1999	DWR	DISC	BURRILL CK@MICKIBRI	
421085									54					26/02/1990	DWR	DISC	BENIBILLA@CANONBAR B	
421086															DWR	DISC	MACQUARIE @WARREN WR	
421087	01/01/1976	01/01/2000	10/03/1976	21/05/1999	10/03/1976	10/03/1976	100	1	25	R				11/04/2000	DWR	DISC	PLUM P/ING @MIRAMBEE	
\$421088	01/01/1801	01/01/2101	13/08/1975	14/11/2013	13/08/1975	18/09/2007	170	15	206						DWR	SFP	MAREBONE BRK@D/S REG	
\$421089															DWR	SFH	MACQ@MAREBONE STORAG	
\$421090	01/01/1801	01/01/2101	10/04/1986	14/11/2013	01/10/1975	07/12/2009	250	13	187	T	C	B			DWR	PI	MACQ @D/S MAREBONE W	
421091									6					27/05/1980	DWR	DISC	WINBURNDALE@OAKBROOK	
421092	01/01/2000	01/01/2004	08/12/2000	18/02/2003	03/07/2000	03/07/2000	10	1	16	T	C				DWR	DISC	Q CHARLOTTES@ORTON P	
421093									6					27/05/1980	DWR	DISC	SWALLOW@ ROCK FOREST	
421094									15					27/05/1980	DWR	DISC	SUMMERHILL @ GOSLING	
421095									9					27/05/1980	DWR	DISC	PLOUGHMANS @ ORANGE	
421096									8					27/05/1980	DWR	DISC	LEWIS PONDS@DS BROWN	
421097	01/01/1801	01/01/2101	06/03/1980	14/11/2013	06/03/1980	10/12/2010	231	17	149						DWR	SFP	MARRA CK @CARINDA RD	
421098	01/01/1933	01/01/1943			14/06/1933	24/04/1942	7	7	67					30/06/1942	DWR	DISC	GUNNINGBAR @ WARREN	
421099			01/01/1986	30/04/1997	01/01/1933	01/07/2010	10	2	48						DWR	PRHG	BELARINGAR @ OFFTAKE	
421100	01/01/1975	01/01/1986	14/02/1975	09/05/1985	14/02/1975	14/10/1976	105	2	43					01/10/1986	DWR	DISC	PYRAMUL@U/S HILL END	
421101	01/01/1978	01/01/2003	18/08/1978	08/11/2005	18/08/1978	01/02/2004	105	4	119					31/01/2004	DWR	DISC	CAMPBELLS US CHIFLEY	
421102	01/01/1909	01/01/1934	01/01/1909	01/06/1933										30/06/1933	DWR	DISC	MACQ@BATH Q CHAR DIV	
421103	01/01/1980	01/01/2002	06/03/1980	27/02/2001	06/03/1980	31/08/1996	115	5	84					27/02/2002	DWR	DISC	EMU SWAMP @ LLEWELYN	
421104	01/01/1979	01/01/2004	04/12/1979	30/10/2003	01/12/1979	01/12/1979	100	1	100						DWR	DISC	BRISBANE VALL@STROML	
421105					01/01/2008	01/01/2008	10	1	49						DWR	DISC	MACQUARIE@WHITE ROCK	
421106	01/01/1980	01/01/2003	08/07/1980	14/05/2002	01/07/1980	08/08/1998	125	6	96					14/05/2002	DWR	DISC	CHESHIRE @ WIAGDON	
\$421107	01/01/1801	01/01/2101	25/12/1983	29/10/2013	26/06/1980	03/01/2011	145	9	72	T	C				DWR	CR	MARRA @BILLYBINGBONE	
421108	01/01/1801	01/01/2101	25/10/1982	28/06/2012	01/07/1971	15/02/2007	230	13	145					20/07/2012	DWR	SFT	NORTHERN BYPASS CH	
\$421109	01/01/1801	01/01/2101	15/09/1988	15/05/2013	02/04/1979	04/07/1996	25	5	54						DWR	CR	MONKEY CK @ BREAK	
421110									6					25/03/1999	DWR	DISC	MONKEY@WEST ARM RETN	
421111	01/01/1801	01/01/2101	19/09/1988	30/10/2013	03/04/1979	05/03/2011	40	7	73						DWR	CH	BUCKIINGUY @ BREAK	
421112			24/06/1999	17/10/2007	01/01/1900	01/01/1900	1	1	45						DWR	DISC	BUCKINGUY @ RETURN	
421113									3					08/12/1980	DWR	DISC		
421114														18/02/1993	DWR	DISC	MONKEY@BULGERAGA BRK	
421115									1					08/12/1980	DWR	DISC	L MONKEYGAR @ BREAK	
421116	01/01/1801	01/01/2101	28/10/1987	13/11/2013	03/04/1979	05/12/2010	31	6	84						DWR	CH	MACQUARIE@GIBSON WAY	
421117															DWR	DISC	MONKEYGAR@GIBSON WAY	
421118	01/01/1801	01/01/2101	16/09/1988	31/10/2013	26/11/1980	07/12/2005	15	4	79						DWR	CH	BULGERAGA@GIBSON WAY	

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. of Last Tab of Tabs		No. of of Gaug		R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b H d d g					Discont. Date	Org. Net Code Class	NAME
421119			17/09/1991	12/11/1991						1						08/12/1980	DWR DISC	MONKEY@D/S GIBSON WY
421120			26/10/1982	24/11/1982	03/05/1979	01/02/1985	15	2	21								DWR PRL	MACQUARIE@THE WILLOW
421121										58						11/04/2000	DWR DISC	TUREE@COOLAH-CASSILS
421122										2							DWR DISC	MACQUARIE@D/S GIBSON
421123																30/06/1925	DWR DISC	TALBRAGAR@ TALBRAGAR
421124			29/08/1996	03/09/1996												03/09/1996	DWR DISC	BELL@WELLINGTON GOLF
421125	01/01/1982	01/01/1998	20/01/1982	06/08/1997	20/01/1982	19/04/1990	2	2	20							01/01/1998	DWR DISC	JONES CREEK @ TARA
421126	01/01/1982	01/01/2000	19/01/1982	05/08/1999	19/01/1982	29/05/1990	2	2	29							01/01/1999	DWR DISC	CAINBIL @LOCH LOMOND
\$421127	01/01/1801	01/01/2101	07/11/1969	19/11/2013	01/12/1981	04/03/2012	65	17	214		T C						DWR SFP	MACQUARIE @ BARONA
421128					01/01/1990	01/01/1990	10	1	44							01/09/2011	DWR CH	GUNNINGBAR@BOX CULVT
\$421129	01/01/1801	01/01/2101	28/10/1987	30/10/2013	02/04/1979	29/06/2004	35	7	96								DWR CH	MONKEYGAR@US WESTARM
421130										16						11/04/2000	DWR DISC	MACQUARIE @ BOSSES X
421131										10						19/09/1991	DWR DISC	L MONKEYGAR @OFFTAKE
421132	01/01/1801	01/01/2101	28/10/1987	13/11/2013	04/04/1979	27/01/2013	25	5	60								DWR CH	MONKEYGAR @DS GIBSON
421133			22/10/1982	25/11/1982	01/09/1982	01/04/1984	15	2	16							07/03/1984	DWR DISC	BORA CHANNEL @RETURN
421134										14						15/10/1985	DWR DISC	DUCK SWAMP @ RETURN
\$421135	01/01/1801	01/01/2101	02/11/1989	04/12/2013	01/01/1989	24/08/2012	205	18	146								DWR SFT	MACQUARIE @ MILTARA
421136			15/09/1988	26/10/1993						5						26/10/2000	DWR DISC	BULGERAGA @ OXLEY
421137			28/10/1982	24/11/1982	14/09/1982	20/12/2010	25	4	29								DWR ADH	MACQUARIE@DS WILLOWS
\$421138	01/01/1801	01/01/2101	25/11/1950	03/12/2013	01/06/1993	17/09/2003	20	2	31								DWR SFP	BOGAN @ NYNGAN
421139										5							DWR ADH	REDENVILLE BREAK
421140										14							DWR DISC	NTHRN MARSHES @ END
421141										12						12/12/1990	DWR DISC	NYNGAN CH @ NEW WEIR
421142	01/01/1991	01/01/2004	19/09/1991	10/08/2004	01/07/1983	06/09/1998	20	4	38								DWR DISC	MILMILAND @RD BRIDGE
421143										2							DWR DISC	OXLEY LAGOON @ BREAK
421144	01/01/1801	01/01/2101	05/08/2009	01/10/2013	01/07/1980	01/07/1980	10	1	24								DWR SFT	OXLEY#3BREAK@OFFTAKE
\$421145	01/01/1801	01/01/2101	21/01/1993	14/11/2013	21/01/1993	15/12/2010	261	12	139								DWR SFT	BULGERAGA @ B/CATION
\$421146	01/01/1801	01/01/2101	27/10/1987	29/10/2013	25/08/1994	01/07/2010	220	5	111								DWR SFT	GUM COWAL @ B/CATION
\$421147	01/01/1801	01/01/2101	16/06/1989	13/11/2013	05/09/1984	19/12/2010	41	8	122								DWR SFT	MACQ@PILICAWARRINA
421148	*		01/07/1985	29/08/2013						1	R						DWR CH	WINDAMERE DAM
\$421149	01/01/1801	01/01/2101	29/10/1994	23/10/2013	05/09/1990	22/03/2013	126	10	146		T C						DWR SFP	C-GONG@ROCKY WATER H
\$421150	01/01/1801	01/01/2101	13/08/1997	24/10/2013	06/08/1986	03/03/2012	135	12	145		T C						DWR SFP	C-GONG@WILBERTREE RD
\$421151	01/01/1801	01/01/2101	28/10/1987	10/07/2013	04/09/1983	23/02/2005	15	4	53								DWR SFT	BORA CHANNEL@OFFTAKE
421152	01/01/1801	01/01/2101	17/09/1991	30/10/2013	01/09/1987	09/08/2002	11	2	28								DWR SFH	GUM COWAL @ OXLEY
421153	01/01/1801	01/01/2101	27/10/1987	31/10/2013	11/10/1975	20/12/2010	26	5	58								DWR CH	TERRIGAL@U/S MARTHAG
421154					01/01/1989	01/01/1996	4	4								01/07/2002	DWR DISC	MOLONG@D/S HFR STN
421155										5							DWR DISC	BOGAN @ OAKS BRIDGE
421156	01/01/1991	01/01/2005	18/09/1991	02/09/2004	07/08/1991	01/01/1995	10	2	18	R	C					25/07/2002	DWR DISC	BONADA CK @ MUMBIL

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b h d d g					Discont. Date	Org. Net Code Class		NAME
421157			04/01/1984	08/05/1996											13/07/2000	DWR	DISC	BULBONEY@EUAMBALENE
\$421158	01/01/1801	01/01/2101	11/06/1993	03/12/2013	01/01/1990	13/12/2009	40	9	103							DWR	SFP	BOGAN @ MONKEY BRID
\$421159	01/01/2000	01/01/2006	11/12/2000	09/02/2005	10/12/2000	10/12/2000	1	1	13	T	C					DWR	DISC	MOLONG CK@COPPER HLL
421160	01/01/2000	01/01/2004	08/12/2000	18/02/2003	03/07/2000	03/07/2000	10	1	8						19/02/2003	DWR	DISC	EVANS PL CK@OPHIR RD
421161															13/12/1993	DWR	DISC	MACQUARIE@U/S BUDDAH
421162															12/12/1993	DWR	DISC	MACQUARIE@D/S BUDDAH
421163	01/01/1981	01/01/1999	31/12/1980	08/04/1998	01/01/1980	11/02/1992	6	6							01/01/1999	DWR	DISC	TALBRAGAR @ EMANON
\$421164	01/01/1801	01/01/2101	22/09/1994	02/12/2013	22/09/1994	13/01/2012	45	9	65							DWR	SFP	DUCK CK @ NAPALI
\$421165	01/01/1801	01/01/2101	22/09/1994	02/12/2013	22/09/1994	24/05/2012	40	11	93	T						DWR	SFP	BENIBILLA@DS CANONBA
\$421166	* 01/01/1801	01/01/2101	22/09/1994	02/12/2013	01/01/1994	27/04/2013	55	10	79							DWR	SFP	GUNNINGBAR @ FVIEW
421167			11/09/1992	29/01/1994											29/01/1994	DWR	DISC	THIRD CROSSING SWAMP
421168			10/09/1992	17/09/1994											17/09/1994	DWR	DISC	HUNT S WOODLAND
421169	01/01/1801	01/01/2101	03/06/1994	08/12/2011	01/06/1994	06/10/2003	20	3	26						13/02/2012	DWR		BREAKAWAY @ OFFTAKE
421170															01/08/2000	DWR	DISC	BORA CHNLS@ BLUELGHT
421171															01/08/2000	DWR	DISC	HUNTSWOOD@NTH BYPASS
421172															01/08/2000	DWR	DISC	BUCKIINGUY SWP@BUCKI
421173																DWR	DISC	CUDGEGONG @ CARWELL
421174	01/01/1999	01/01/2005	18/02/1999	04/02/2004	18/02/1999	01/02/2003	130	3	17	T	C	B				DWR	DISC	CUMBER MEL CK @ MOON
421175			02/01/1998	19/09/2013												SWA	CH	GUNNINGBAR@WEIR STOR
\$421176	01/01/2001	01/01/2005	25/10/2001	17/06/2004	25/10/2001	25/10/2001	10	1	9	T	C				17/06/2004	AG	DISC	LITTE@ARTHURVILLE #2
421177			05/02/2002	10/06/2004	01/01/1900	01/01/1900	1	1		T	C					DWR	DISC	SNAKE GULLY@ATTUNGA
\$421178	01/01/1801	01/01/2101	19/06/2002	25/10/2013	01/01/1900	01/01/1900	1	1				R				DWR	CF	MOLONG @D/S BORENORE
\$421179			30/07/2002	10/05/2004	01/01/1900	01/01/1900	1	1	3	T	C					DWR	DISC	CAMPBELLS@DOGROCKSRD
421180				09/02/2005	03/03/2012		15	5	31							DWR	CR	BELL @ TANTALLON RD
421181			06/02/2009	19/03/2010								T			19/03/2010	DWR	DISC	MACQUARIE @ MACS RSV
421182			12/02/2009	21/01/2010								T			21/01/2010	DWR	DISC	MACQUARIE @WOODLANDS
421183			27/06/2013	18/09/2013	16/06/2009	07/07/2010	110	2	8							DWR	SFP	SUMMERHILL @3rd XING
\$421184	01/01/1801	01/01/2101	25/06/2009	24/10/2013	01/06/2009	03/03/2012	15	2	19							DWR	PPS	CUDGEGONG@US R-STONE
421185	01/01/1801	01/01/2101	07/05/2013	18/09/2013	16/06/2009	07/05/2013	120	3	10							DWR	CH	SUMMER HILL @ ICELY
421186				16/06/2009	26/05/2010		110	2	7						07/07/2010	DWR	DISC	P/MANS@D/S MOLONG RD
421187				29/09/2009	29/09/2009		100	1	17							DWR	PI	FISH RV US OBERONDAM
\$421188	01/01/1801	01/01/2101	28/09/2009	30/10/2013	28/09/2009	28/09/2009	100	1	19							DWR	PPS	DUCKMALOI @ SPILLWAY
421189	*		30/11/2009	31/12/2009												SWA	XFR	OBERON DAM
\$421190	01/01/1801	01/01/2101	23/06/2010	13/11/2013	21/06/2010	02/09/2012	5	2	14							DWR	SFT	Bulgeraga Ck @ Pilli
\$421191	01/01/1801	01/01/2101	31/05/2011	06/11/2013	31/05/2011	31/05/2011	5	1	14	T	C					DWR	SFP	MACQUARIE@YARRACOONA
\$421192			05/08/2011	16/10/2013	21/02/2011	03/03/2012	115	2	19			T				DWR	SFP	MACQ R DS LONGPOINT
421193																DWR		FISH R @ D/S OBERON
421195	01/01/2011	01/01/2101	19/05/2011	30/10/2013												DWR	CR	MONKEY CREEK DS OXLY

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x Discont. i m m n r p n m y Date										Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	n	p	p	d	b	H	d	d	g	Code	Class		
421196																			DWR	OUTFLOW DS SUMA		
421421			31/12/1980	07/02/1992	01/08/1945	25/08/1945	2	2											DWR	Macquarie Misc		
\$421900	01/01/1801	01/01/2101	25/02/1955	04/07/2013	01/01/1900	01/01/1900	1	1											DWR	CF MACQUARIE @ WOLLOMBI		
421905			27/11/1950	30/12/2007														10/01/2000	DWR	DISC BOGAN @ MUDALL		
421906										7									DWR	DISC BOGAN @ NYNGAN		
42110011	01/01/1999	01/01/2003	18/02/1999	22/07/2002	18/02/1999	17/11/2000	115	2	11	T	C								DWR	DISC CARWELL@CUDGEGONG RD		
42110040	01/01/1999	01/01/2005	18/02/1999	04/02/2004	18/02/1999	18/02/1999	110	1	22	T	C	B							DWR	DISC CUDGEGONG R@MOONBUCCA		
42110047	01/01/1999	01/01/2003	12/02/1999	22/07/2002	12/02/1999	19/11/2000	115	2	17	T	C								DWR	DISC CUDGEGONG @ KONA		

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\$422001	01/01/1801	01/01/2101	10/06/1886	10/10/2013	01/08/1885	20/02/2013	159	34	497	T	C									DWR	SFP	BARWON @ DANGAR BDGE
\$422002	01/01/1801	01/01/2101	18/04/1890	13/11/2013	11/02/1892	27/02/2013	125	11	453	T	C									DWR	SFP	BARWON @ BREWARRINA
\$422003	01/01/1801	01/01/2101	01/08/1921	20/11/2013	01/07/1974	03/06/2008	121	14	472	T	C									DWR	SFP	BARWON @COLLARENEBRI
\$422004	01/01/1801	01/01/2101	24/01/1891	20/10/2013	10/06/1980	15/11/2005	116	13	359											DWR	SFP	BARWON @ MOGIL MOGIL
\$422005	01/01/1801	01/01/2101	02/10/1944	13/08/2013	06/09/1944	10/04/2013	109	18	253	R										DWR	SFP	BOKHARA @ BOKHARA
\$422006	01/01/1801	01/01/2101	07/09/1944	29/10/2013	01/09/1944	30/12/2009	151	31	239											DWR	SFP	CULGOA@D/S COLLERINA
422007	01/01/1801	01/01/2101	01/07/1983	13/11/2013	29/06/1983	24/02/2012	228	9	266											DWR	SFP	CATO CK @ BREWARRINA
422008	01/01/1954	01/01/1986	01/08/1972	18/12/1985	01/07/1972	01/08/1982	141	10	173								18/12/1985			DWR	DISC	BARWON @ COMBADERY
422009	01/01/1957	01/01/1974							102								01/06/1973			DWR	DISC	BARWON @ WALGETT
\$422010	01/01/1801	01/01/2101	01/10/1964	29/10/2013	01/10/1964	11/02/2011	43	13	154											DWR	SFP	BIRRIE @ TALAWANTA
\$422011	01/01/1801	01/01/2101	09/12/1964	29/10/2013	09/12/1964	27/12/2009	63	23	201											DWR	SFP	CULGOA@U/S COLLERINA
422012	01/01/1959	01/01/2010	30/09/1959	01/01/2009	01/01/1960	01/01/2001	24	6	139								01/01/2009			DWR	DISC	NARRAN@NEW ANGLEDOOL
\$422013	01/01/1801	01/01/2101	29/10/1964	16/10/2013	29/01/1964	19/02/2012	68	20	219											DWR	SFS	BIRRIE@NEAR GOODDOGA
422014	01/01/1915	01/01/2010	01/04/1890	31/05/2009	01/01/1915	23/12/2007	138	25	187								09/12/2009			DWR	DISC	BOKHARA @ GOODDOGA
\$422015	01/01/1801	01/01/2101	01/04/1890	16/10/2013	01/01/1960	28/01/2013	130	33	225		T	C								DWR	SFS	CULGOA @ BRENDA
422016	01/01/1801	01/01/2101	01/11/1964	22/04/2013	01/01/1900	08/02/2011	57	17	155	R	T									DWR	SFS	NARRAN @ WILBY WILBY
\$422017	01/01/1801	01/01/2101	15/08/1965	29/10/2013	01/01/1900	06/02/2005	52	12	186											DWR	SFS	CULGOA @WEILMORINGLE
422018	01/01/1801	01/01/2101	03/09/1980	20/11/2013	19/06/1965	01/01/2003	102	6	240											DWR	SFP	GRAWAN@OLDPOCKATAROO
422019	*		18/03/1982	31/12/1990													31/12/1990			DWR	DISC	NARRAN LAKE STORAGE
422020									4											DWR	DISC	BARWON @ CARAMIA
422021	01/01/1944	01/01/1949							21								12/02/1952			DWR	DISC	BARWON @ EUROOL
422022	01/01/1801	01/01/2101	25/11/1985	13/11/2013	02/01/1900	23/02/2012	107	4	84											DWR	SFP	TARRION CK @ BREWRNA
422023	01/01/1948	01/01/2004			01/01/1974	02/03/2013	207	3	12											DWR	SFP	BREWARRINA TOTAL FL
422024			28/05/1993	04/10/2000					23								04/10/2000			DWR	DISC	NARRAN @ NARRAN PLAI
\$422025	01/01/1801	01/01/2101	30/06/1999	13/11/2013	01/01/1999	07/12/2011	9	9	91											DWR	SFP	BARWON @ TARA
\$422026	01/01/1801	01/01/2101	29/06/1999	10/10/2013	01/01/1999	29/12/2008	5	5	97											DWR	SFP	BARWON @ BOOROOMA
\$422027	01/01/1801	01/01/2101	29/06/1999	10/10/2013	01/03/1999	11/05/2011	7	7	97		T	C								DWR	SFP	BARWON @ GEERA

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. of Last Tab of Tabs		No. of Gaug		R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b h d d g					Discont. Date	Org. Net Code Class	NAME
\$422028	01/01/1801	01/01/2101	26/06/1999	23/10/2013	26/06/1999	17/01/2010	9	9	91								DWR SFP	BARWON @ BEEMERY
\$422029	01/01/1801	01/01/2101	14/02/2002	14/08/2013	14/02/2002	28/01/2009	4	4	80		T C						DWR SPS	NARRAN @ NARRAN PARK
\$422030	01/01/1801	01/01/2101	11/04/2002	16/10/2013	11/04/2002	01/07/2012	5	4	74		T C						DWR SFP	NARRAN @ ANGLEDPOOL 2
\$422031	01/01/1801	01/01/2101	30/04/2008	21/05/2013	31/03/2008	04/02/2010	2	2	24	R	T						DWR PJI	NARRAN @ BUNDAH
\$422032	01/01/1801	01/01/2101	09/12/2009	16/10/2013	09/12/2009	09/12/2009	1	1	24								DWR SFS	BOKHARA @ U/S WEIR
\$422033					01/07/1974	03/06/2008	121	14	442								DWR SFP	BARWON@COLLI TOTAL
\$422034			02/02/2010	20/05/2013							R T T						DWR PJI	Narran R @ Back Lake

BASIN 423 - WARREGO RIVER

\$423001	01/01/1801	01/01/2101	01/12/1921	24/10/2013	01/01/1900	01/06/2008	150	14	187								DWR PPS	WARREGO@FORDS BRIDGE
\$423002	01/01/1801	01/01/2101	01/12/1921	05/06/2013	01/01/1900	16/02/2008	177	18	228		T C						DWR PPS	WARREGO@FORDS BYWASH
423003	01/01/1926	01/01/1982	01/11/1926	25/02/1998					1					01/02/1981			DWR DISC	WARREGO@BARRINGUN 1
\$423004	01/01/1801	01/01/2101	30/05/1993	06/06/2013	30/05/1993	14/03/2010	9	5	82		T C						DWR PPS	WARREGO@BARRINGUN #2
\$423005	01/01/1801	01/01/2101	31/05/1993	06/06/2013	31/05/1993	14/03/2010	7	3	69		T C						DWR PPS	CUTTABURRA @ TURRA
423006			04/12/2012	09/10/2013					1								DWR SFS	WARREGO D/SDICKS DAM
423007			04/12/2012	09/10/2013					1								DWR SFS	WARREGO @ DICKS DAM
\$423008			05/12/2012	09/10/2013													DWR SFH	WARREGO @ BOERA DAM
423903			18/04/1956	15/02/2009					5					18/02/1976			DWR DISC	WARREGO @ ENNGONIA
42309001			16/03/2009	19/03/2010	16/03/2009	07/07/2009	2	2	24					01/11/2011			DWR DISC	WARREGO D/S PEEBLES

BASIN 424 - PAROO RIVER

424001	01/01/1942	01/01/1985	03/04/1927	21/06/2009	11/02/1976	29/09/1987	105	3	62					04/04/1989			DWR DISC	PAROO @ WANAARING
\$424002	01/01/1975	01/01/2012	22/11/1975	11/08/2011	22/11/1975	16/05/1995	140	5	117								DWR PPS	PAROO @ WILLARA XING
424003			25/03/2010	20/07/2010					3					07/11/2011			DWR PRF	PAROO @ PORTERS XING

BASIN 425 - DARLING RIVER

\$425001	01/01/1801	01/01/2101	01/01/1881	02/10/2013					406								DWR CH	DARLING@MENINDEE TWN
425002	01/01/1801	01/01/2101	20/11/1879	09/08/2012													DWR SFP	DARLING@WILCAN. TOT
\$425003	01/01/1801	01/01/2101	18/03/1864	05/06/2013	21/09/1830	24/04/1993	300	50	565		T C						DWR SFP	DARLING@BOURCE TOWN
\$425004	01/01/1801	01/01/2101	24/04/1890	09/10/2013	23/05/1900	15/02/2013	20	7	309		T C						DWR SFS	DARLING@LOUTH
\$425005	01/01/1801	01/01/2101	11/12/1879	17/11/1998	01/01/1900	15/08/2013	131	15	93		T C B						DWR SFPR	DARLING@POONCARIE
425006	01/01/1929	01/01/1950	24/09/1929	31/10/1949					67					31/12/1949			DWR DISC	DARLING@STUDLEY
\$425007	01/01/1801	01/01/2101	25/03/1940	28/10/2013	30/12/1899	29/09/2008	199	54	431		T B		O				DWR SFP	DARLING@BURTUNDY

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T	W H O	Discont.	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	n p p d b	n r p n m y	Date	Code	Class	
\$425008	01/01/1801	01/01/2101	01/08/1932	19/11/2013	30/12/1899	11/03/2008	210	27	536	T	C		DWR	SFP	DARLING@WILC. MAIN C
425009									11			14/10/1953	DWR	DISC	DARLING@DUNLOP
\$425010	01/01/1801	01/01/2101	01/01/1870	31/03/2008	15/05/1950	16/08/1982	120	2	214				DWR	SFS	MURRAY@L10 WENTWORTH
425011	01/01/1801	01/01/2101	30/11/1954	10/09/2013	01/01/1900	15/11/2010	165	16	149	T	C		DWR	SFP	DARL ANABR@BULPUNGA
\$425012	01/01/1801	01/01/2101	20/02/1974	31/07/2013	01/01/1900	15/12/2009	251	29	514	T	C		DWR	SFS	DARLING@U/S WEIR 32
\$425013	01/01/1801	01/01/2101	31/05/1971	30/10/2013	02/04/1971	08/08/1990	195	16	154	T	C		DWR	SFS	DARLING ANABR@WYCOT
\$425014	01/01/1801	01/01/2101	15/06/1992	20/09/2013	30/12/1899	01/01/1999	135	7	135	T	C		DWR	SFS	L CAWNDILLA@OUTLET
425015													DWR		REFER 425013
\$425016	01/01/1801	01/01/2101	13/12/1973	20/12/2012	13/12/1973	13/12/1973	100	1	81	R			DWR	PI	BOX CREEK @ COBAR
425017									15	T	C	31/08/1953	DWR	DISC	DARLING@WENTWORTH
\$425018	01/01/1801	01/01/2101	01/03/1981	17/09/2013	28/02/1981	31/01/1985	110	4	19				DWR	SFP	TALYAWALKA@BARR HW
425019	01/01/1801	01/01/2101	30/03/1962	18/09/2013	01/01/1900	01/10/2010	152	18	117	T	C		DWR	SFS	REDBANK@D/S PACKERS
\$425020	*		01/05/1979	30/09/2013	01/01/1987	01/01/1987	100	1					DWR	SFH	L WETHERELL+TANDURE
\$425021	*		01/05/1979	30/09/2013	01/01/1987	01/01/1987	100	1					DWR	SFH	LAKE PAMAMAROO
\$425022	*		01/05/1979	01/10/2013	01/01/1987	01/01/1987	100	1					DWR	SFH	LAKE MENINDEE
425023	*		01/05/1979	31/10/2013	01/01/1987	01/01/1987	100	1					DWR	SFH	LAKE CAWNDILLA
425024									2				DWR	SFT	L PAMAMAROO@INLET
425025									3				DWR	SFT	L MENINDEE@INLET
425026									21			16/11/1964	DWR	DISC	DARLING@TOLARNO
425027									76				DWR	PRHG	DARLING FL@NR MENIND
425028	01/01/1981	01/01/2000	31/07/1981	23/12/1999	01/01/1900	31/07/1981	100	2	2			15/07/2000	DWR	DISC	WIREYARDS@QUONDONG
425029			04/03/1976	09/12/2011					22	T		30/06/2012	DWR	DISC	TALYAWALKA@KANGA W/H
425030												18/05/1979	DWR	DISC	DARLING@BOURKE SLOPE
425031			19/04/1972	14/12/1972								18/05/1979	DWR	DISC	DARLING@MENIND SLOPE
425032												13/09/1979	DWR	DISC	DARLING@WILCAN SLOPE
425033									5			31/12/1994	DWR	DISC	DARL ANABR@BELLS CAM
425034			28/07/2010	30/09/2013					3				DWR	CH	DARLING@DS MEND WEIR
\$425035	01/01/1801	01/01/2101	01/05/1992	09/10/2013	01/01/1900	01/01/1900	1	1	11	T	C		DWR	PJI	DARLING@DS DEADHORSE
425036	01/01/1801	01/01/2101	30/04/1992	09/10/2013	01/01/1900	01/01/1900	1	1	15	T	C		DWR	PJI	DARLING@GLEN VILLA
\$425037	01/01/1801	01/01/2101	16/05/2002	09/10/2013	01/01/1901	22/01/2010	6	4	21	T	C		DWR	PJI	DARLING@D/S WEIR 19A
425038	01/01/1801	01/01/2101	03/05/1992	09/10/2013	01/01/1900	01/01/1900	1	1	4	T	C		DWR	PJI	DARLING@MYANDETTA
\$425039	01/01/1801	01/01/2101	27/06/1999	05/03/2013	27/06/1999	08/01/2008	5	7	82	T	C		DWR	SFP	DARLING@WARRAWEENA
425040													DWR	SFH	L CAWNDILLA+MENINDEE
425041									28			30/06/2012	DWR	DISC	MORTON-BOULKA CK
425042									28				DWR	SFPR	PAMAMAROO@OUTLET CH
425043									16				DWR	SFPR	WETHERELL@OUTLET CH
425044			09/06/2010	02/10/2013					65				DWR	SFPR	MENINDEE@OUTLET CH
425045													DWR	SFPR	WETHERELL@WEIR REL

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y	W H O u x D i s c o n t . Date	Org. Net Code Class	NAME
425046												DWR	L WETHERELL@STORAGE
425047												DWR	L TANDURE@STORAGE
\$425048	01/01/1801	01/01/2101	07/09/2009	19/09/2013	07/09/2009	07/09/2009	1	1	10			DWR CR	DARLING@ANABRANCH
425049												DWR SFS	MENINDEE TOTAL
\$425050			07/09/2009	19/09/2013					1			DWR CH	ANABRANCH@OFFTAKE
425051			03/02/2011	22/06/2012					1		30/06/2012	DWR DISC	TALY@IVANHOE ROAD
\$425052			28/10/2013	29/10/2013								DWR PJI	ANABRANCH U/S 183
\$425053			28/10/2013	29/10/2013					2			DWR PJI	ANABRANCH D/S 183
\$425054			14/11/2013	27/11/2013								DWR PJI	ANABRANCH AT TARA DO
\$425900	01/01/1801	01/01/2101	31/03/1887	08/10/2013	01/01/1987	02/01/2010	35	6	69	T C		DWR SFS	DARLING@TILPA
425994												DWR	MENINDEE OUTLET
425995												DWR	PAMAMAROO OUTLET
425996												DWR	WETHERELL OUTLET
425997												DWR	MAIN WEIR
42510008												DWR SFH	L TANDURE@SITE 8
42510037												DWR SFPR	MENINDEE@COPI HOLLOW
42510080	01/01/1995	01/01/2009	30/05/1995	28/11/2008	29/05/1995	05/10/2006	6	5	24	C	30/06/2012	DWR DISC	THEGOA @ INLET D/S
42510082											10/08/1995	DWR DISC	THEGOA @ AIRPORT
42510083											10/08/1995	DWR DISC	THEGOA @ ATKINSONS
42510089												DWR WQR	DARLING@TULNEY
42510090												DWR WQR	DARLING@U/S WEIR 32
42510091												DWR WQR	DARLING@US MENINCOUR
42510092												DWR WQR	DARLING@U/S TULNEY
42510417												DWR WQR	DARLING@MENINCOURT
\$425001	01/01/1881	01/01/2012	01/01/1881	26/10/1998					406	R T		DWR CH	DARLING@MENINDEE TWN
425002	01/01/1886	01/01/1980	20/11/1879	18/01/2005								DWR SFP	DARLING@WILCAN. TOT
\$425003	01/01/1880	01/01/2012	18/03/1864	10/08/2011	21/09/1830	24/04/1993	300	50	549	T C		DWR SFP	DARLING@BOURKE TOWN
425004	01/01/1904	01/01/2012	24/04/1890	09/08/2011	23/05/1900	17/02/2009	20	6	292	T C		DWR SFS	DARLING@LOUTH
\$425005	01/01/1913	01/01/2012	11/12/1879	17/11/1998	01/01/1900	21/11/2008	157	14	90	T C B		DWR SFPR	DARLING@POONCARIE
425006	01/01/1929	01/01/1950	24/09/1929	31/10/1949					67		31/12/1949	DWR DISC	DARLING@STUDLEY
\$425007	01/01/1940	01/01/2012	25/03/1940	02/03/2006	30/12/1899	29/09/2008	199	54	429	T C B		DWR SFP	DARLING@BURTUNDY
\$425008	01/01/1913	01/01/2012	01/08/1932	08/03/2011	30/12/1899	11/03/2008	210	27	527	T C		DWR SFP	DARLING@WILC. MAIN C
\$425010	01/01/1951	01/01/2009	01/01/1870	31/03/2008	16/08/1982	16/08/1982	120	1	212			DWR SFS	MURRAY@L10 WENTWORTH
425011	01/01/1954	01/01/2012	30/11/1954	22/08/2011	01/01/1900	16/09/2002	140	16	147	T C		DWR SFP	DARL ANABR@BULPUNGA
\$425012	01/01/1958	01/01/2012	19/04/1972	03/08/2011	01/01/1900	15/12/2009	251	29	512	T C		DWR SFS	DARLING@U/S WEIR 32
\$425013	01/01/1962	01/01/2010	31/05/1971	05/06/2009	02/04/1971	08/08/1990	195	16	153	T C		DWR SFS	DARLING ANABR@WYCOT
\$425014	01/01/1992	01/01/2012	15/06/1992	04/05/2011	02/05/1986	01/01/2010	141	7	129	T C		DWR SFS	L CAWN DILLA@OUTLET

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x i m m n r p n m y					Discont.	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	n p	p d	b h	d d	g	Date	Code	Class	
\$425016	01/01/1973	01/01/2010	13/12/1973	23/01/2011	13/12/1973	13/12/1973	100	1	78	R						DWR	PI	BOX CREEK @ COBAR
425017									15		T	C	B		31/08/1953	DWR	DISC	DARLING@WENTWORTH
\$425018	01/01/1971	01/01/2009	01/03/1981	22/03/2011	28/02/1981	31/01/1985	110	4	19							DWR	SFP	TALYAWALKA@BARR HW
425019	01/01/1962	01/01/2012	30/03/1962	19/07/2011	01/01/1900	01/10/2010	152	18	110		T	C				DWR	SFS	REDBANK@D/S PACKERS
\$425020	*		01/05/1979	04/08/2011							T	C				DWR	SFH	L WETHERELL+TANDURE
\$425021	*		01/05/1979	04/08/2011												DWR	SFH	LAKE PAMAMAROO
\$425022	*		01/05/1979	04/08/2011												DWR	SFH	LAKE MENINDEE
425023	*		01/05/1979	14/03/2006												DWR	SFH	LAKE CAWNDILLA
425024									2							DWR	SFT	L PAMAMAROO@INLET
425025									3							DWR	SFT	L MENINDEE@INLET
425028	01/01/1981	01/01/2000	31/07/1981	23/12/1999	01/01/1900	31/07/1981	100	2	2					15/07/2000	DWR	DISC	WIREYARDS@QUONDONG	
425029			04/03/1976	25/11/2010					22		T					DWR	SFPR	TALYAWALKA@KANGA W/H
425031			19/04/1972	14/12/1972										18/05/1979	DWR	DISC	DARLING@MENIND SLOPE	
425034			28/07/2010	04/08/2011					3							DWR	CH	DARLING@DS MEND WEIR
\$425035			01/05/1992	30/08/2011	01/01/1900	01/01/1900	1	1	11		T	C				DWR	PJI	DARLING@DS DEADHORSE
425036			30/04/1992	05/08/2009	01/01/1900	01/01/1900	1	1	15		T	C				DWR	PJI	DARLING@GLEN VILLA
\$425037	01/01/2002	01/01/2010	16/05/2002	05/08/2009	01/01/1900	16/05/2002	5	4	11		T	C				DWR	PJI	DARLING@D/S WEIR 19A
425038			03/05/1992	05/08/2009	01/01/1900	01/01/1900	1	1	4		T	C				DWR	PJI	DARLING@MYANDETTA
\$425039	01/01/1999	01/01/2012	27/06/1999	09/08/2011	27/06/1999	08/01/2008	5	7	71		T	C				DWR	SFP	DARLING@WARRAWEENA
425040																DWR	SFH	L CAWNDILLA+MENINDEE
425042									28							DWR	SFPR	PAMAMAROO@OUTLET CH
425043									16							DWR	SFPR	WETHERELL@OUTLET CH
425044			09/06/2010	04/08/2011					65							DWR	SFPR	MENINDEE@OUTLET CH
425045																DWR	SFPR	WETHERELL@WEIR REL
\$425048	01/01/2009	01/01/2011	07/09/2009	19/07/2011	07/09/2009	07/09/2009	1	1	8							DWR	CR	DARLING@ANABRANCH
425049																DWR		MENINDEE TOTAL
\$425050			07/09/2009	19/07/2011					1							DWR	CH	ANABRANCH@OFFTAKE
42510008																DWR	SFH	L TANDURE@SITE 8
42510037																DWR	SFPR	MENINDEE@COPI HOLLOW
42510080	01/01/1995	01/01/2009	30/05/1995	28/11/2008	29/05/1995	05/10/2006	6	5	24		C					DWR	SFPR	THEGOA @ INLET D/S
\$425900	01/01/1995	01/01/2011	31/03/1887	05/08/2010	10/05/1995	17/01/2008	30	4	58		T	C				DWR	SFS	DARLING@TILPA

RAINFALL/WEATHER SITES

\$552001										R	T		W	H	14/12/2000	DWR	DISC	GWYDIR WET. @ BEXLEY
\$553001										R	T		W	H		DWR	UNCL	GWYDIR WET. @ BUNNOR
556001										R					12/04/2000	DWR	DISC	TENTERFIELD RAIN

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug		R a t t o u t i o n p p d b h d d g	W H O i u x D i s c o n t i n u o u s D a t e	Discont.	Org. Net Code Class	NAME
556002									R T	W H		DWR UNCL	DLWC WEATHER @ ARM.
\$568295									R			DWR UNCL	LAKESTLAND TBRG
\$568296									R			DWR UNCL	THURNS ROAD TBRG
573015												DWR	Mundarlo TBRG
573016												DWR	Adjungbilly TBRG

GROUNDWATER SITES – Continuous Monitoring

Note: multiple entries of a site indicate that there is more than one pipe at this site

GW021266_04	23/02/2010	23/10/2013										DWR GWP	GWIP LN Appletrees
GW025041												DWR DISC	Shibbles
GW025045_01	27/01/2010	23/10/2013										DWR GWP	GWIP LN Tulladunna
GW025045_02	27/01/2010	23/10/2013										DWR GWP	GWIP LN Tulladunna
GW025055											17/11/2005	DWR GWP	Lower Namoi Wee Waa
GW025055_1	17/11/2005	01/11/2013							T			DWR GWP	Lower Namoi Wee Waa
GW025138											24/02/2005	DWR GWP	Merah North
GW025138_1	24/02/2005	01/11/2013							T			DWR GWP	Merah North
GW025206A	23/10/1999	13/11/2013										DWR	Site 1
GW025245_01	27/01/2010	23/10/2013										DWR GWP	GWIP LN Nowley
GW025245_03	27/01/2010	23/10/2013										DWR GWP	GWIP LN Nowley
GW025299_02	18/05/2010	22/10/2013										DWR GWP	GWIP LN SpringPlns N
GW025324	24/02/2005	01/03/2006							T		01/03/2006	DWR GWP	Gurleigh Section
GW025327											23/02/2005	DWR GWP	Gurleigh Section
GW025327_2	23/02/2005	01/11/2013							T			DWR GWP	Gurleigh Section
GW025329											23/02/2005	DWR GWP	Gurleigh Section
GW025329_1	23/02/2005	01/11/2013							T			DWR GWP	Gurleigh Section
GW025329_3	23/02/2005	01/11/2013							T			DWR GWP	Gurleigh Section
GW025333_04	27/01/2010	23/10/2013										DWR GWP	GWIP LN River Rd
GW025340_02	27/01/2010	23/10/2013										DWR GWP	GWIP LN Yarrie Lk Rd
GW025350_01												DWR	Site 91
GW025350_02												DWR	Site 92
GW025350_03												DWR	Site 93
GW025352_01												DWR	Site 94
GW025352_02												DWR	Site 95
GW025393C	09/01/2007	11/11/2013										DWR GWP	North Wagga
GW025403_01	02/09/1969	11/11/2013										DWR GWP	TOCABIL@KIDMAN WY P1
GW025413												DWR DISC	Hennessy Road

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GW025414											DWR DISC	Whealers Lane
GW025420C			09/01/2007	18/07/2012						01/01/2007	DWR GWP	North Wagga
GW027713			12/10/2006	24/09/2013							DWR GWP	MEADOW BANK
GW030000_01			28/01/2010	11/07/2013							DWR GWP	GWIP UN Breeza
GW030009										16/03/2005	DWR GWP	Upper Namoi Zone 8
GW030009_2			16/03/2005	24/04/2013					T		DWR GWP	Upper Namoi Zone 8
GW030029_02			08/12/2009	11/07/2013							DWR GWP	GWIP UN Colly Plains
GW030032C			09/01/2007	14/11/2013							DWR GWP	Eunanoreenya
GW030044_01			17/09/2009	12/11/2013							DWR GWP	ROTO @ MERROWIE P1
GW030044_02			17/09/2009	12/11/2013							DWR GWP	ROTO @ MERROWIE P2
GW030070_04			23/02/2010	23/10/2013							DWR GWP	GWIP LN Minoru
GW030083_02			08/12/2009	10/07/2013							DWR GWP	GWIP UN Premier Rd
GW030087_02			08/12/2009	10/07/2013							DWR GWP	GWIP UN Feedlot
GW030105			27/11/2007	12/11/2013							DWR GWP	YILGA HILLSTON RD P1
GW030106_02			29/01/1971	12/11/2013							DWR GWP	ROTO RD - NORTH P2
GW030113C			09/01/2007	08/05/2013							DWR GWP	North Gumly Gumly
GW030121_03			28/01/2010	23/10/2013							DWR GWP	GWIP LN Speedway
GW030124A			08/01/2007	30/07/2013							DWR GWP	Berry Jerry
GW030124C				06/11/2013							DWR GWP	
GW030129			06/09/2007	24/10/2013					T		DWR GWP	Maules- MardiGras Rd
GW030130										15/03/2005	DWR GWP	Maules Ck
GW030130_1			15/03/2005	24/10/2013					T		DWR GWP	Maules Ck Mardi Gras
GW030130_2			15/03/2005	24/10/2013					T		DWR GWP	Maules Ck-Mardi Gras
GW030131			06/09/2007	24/10/2013					T		DWR GWP	Maules- Harparary Rd
GW030142											GWP	MOLLY Crossing
GW030151C			08/01/2007	13/05/2013							DWR GWP	kockibitoo
GW030159_01			25/01/2010	30/07/2013							DWR GWP	GWIP LG Boorabee
GW030159_02			09/11/2009	30/07/2013							DWR GWP	GWIP-LG Boorabee
GW030163C			08/01/2007	09/02/2010							DWR GWP	bulls run
GW030201_01			06/08/2009	17/07/2013							DWR GWP	Trangie_Dandaloo P2
\$GW030203			05/09/2001	17/07/2013							DWR GWP	Brennans Lane
\$GW030204			26/09/1972	17/07/2013							DWR GWP	Linbar
\$GW030209			16/06/2002	17/07/2013							DWR GWP	Backwater Rd Pipe 1
GW030213_01			16/02/2010	17/07/2013							DWR GWP	Farrendale Rd West
GW030223_02			22/02/2010	23/10/2013							DWR GWP	GWIP LN Waiwera Lane
GW030231_01											DWR GWP	GWIP UN Tarriaro
GW030233_01			28/01/2010	21/08/2013							DWR GWP	GWIP UN Currawidgen
GW030233_03			28/01/2010	21/08/2013							DWR GWP	GWIP UN Currawidgen

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GW030236											15/03/2005	DWR GWP	Maules Ck
GW030236_1			15/03/2005	01/11/2013						T		DWR GWP	Maules Ck
GW030236_2			15/03/2005	01/11/2013						T		DWR GWP	Maules Ck
GW030258_01			16/05/1972	12/11/2013								DWR GWP	GRIFFITH RD-SOUTH P1
GW030258_03			16/05/1972	12/11/2013								DWR GWP	GRIFFITH RD-SOUTH P3
GW030274											16/03/2005	DWR GWP	Upper Namoi Zone 8
GW030274_2			16/03/2005	23/04/2013						T		DWR GWP	Upper Namoi Zone 8
GW030284_01			06/01/2010	09/05/2013								DWR GWP	TUBBO
GW030295											01/03/2006	DWR GWP	Gurleigh Section
GW030295_1			01/03/2006	01/11/2013						T		DWR GWP	Gurleigh Section
GW030306_01			28/01/2010	22/08/2013								DWR GWP	GWIP UN Carroll
GW030306_02			08/12/2009	22/08/2013								DWR GWP	GWIP UN Carroll
GW030306_03			08/12/2009	22/08/2013								DWR GWP	GWIP UN Carroll
GW030310_01			23/02/2010	23/10/2013								DWR GWP	GWIP LN Mollee
GW030310_02			23/02/2010	23/10/2013								DWR GWP	GWIP LN Mollee
GW030323_01			22/02/2011	23/10/2013								DWR GWP	IVYHOLME_01
GW030325_01			11/08/2010	08/05/2013								DWR GWP	NUTHINEAR
GW030335												DWR GWP	GW030335
GW030344											16/08/2011	DWR GWP	Upper Namoi Zone 4
GW030344_01			19/05/2010	23/08/2013								DWR GWP	GWIP UN Kelvin Rd
GW030344_02			19/05/2010	23/08/2013								DWR GWP	GWIP UN Kelvin Rd
GW030344_03			09/12/2009	23/08/2013								DWR GWP	GWIP UN Kelvin Rd
GW030348_01			04/11/2009	16/10/2013								DWR GWP	BIRDCAGE
GW030350_01			13/07/2010	16/10/2013								DWR GWP	TOGANMAIN
GW030362_02			20/01/2010	23/10/2013								DWR GWP	COOINBIL_02
GW030362_03			20/01/2010	23/10/2013								DWR GWP	COOINBIL_03
GW030390_02			25/01/2010	30/07/2013								DWR GWP	GWIP-LG River St
GW030392_01			08/04/2010	25/09/2012						T C	25/09/2012	DWR GWP	Nested Edingburgh
GW030392_02			08/04/2010	25/09/2012						T C	25/09/2012	DWR GWP	Nested Edingburgh
GW030394_01			08/04/2010	25/09/2012						T C	25/09/2012	DWR GWP	Edinburgh South
GW030394_02			08/04/2010	25/09/2012						T C	25/09/2012	DWR GWP	Edinburgh South
GW030397_02			26/01/2010	30/07/2013								DWR GWP	GWIP-LG Winima
GW030405_01			13/04/1978	12/11/2013								DWR GWP	MERUNGLE @ STEAK P1
GW030405_02			13/04/1978	12/11/2013								DWR GWP	MERUNGLE @ STEAK P2
GW030406												DWR GWP	GW030406
GW030406_01			27/09/1977	12/11/2013								DWR GWP	BROOKLYN CENTRAL P1
GW030406_03			27/09/1977	12/11/2013								DWR GWP	BROOKLYN CENTRAL P3
GW030407_01			27/09/1977	15/05/2013								DWR GWP	BROOKLYN NORTH P1

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i m m n r p n m y n p p d b h d d g	x	u	d	g		Code	Class	
GW030407_02			27/09/1977	15/05/2013												DWR	GWP	BROOKLYN-NORTH P2
GW030407_03			27/09/1977	15/05/2013												DWR	GWP	BROOKLYN-NORTH P3
GW030411_01			16/09/2009	29/11/2011											29/11/2012	DWR	GWP	WILANDRA CK @ BELL 1
GW030411_02			16/09/2009	29/11/2011											28/11/2012	DWR	GWP	WILANDRA CK @ BELL 2
GW030411_03			16/09/2009	29/11/2011											28/11/2012	DWR	GWP	WILANDRA CK @ BELL 3
GW030423_01																DWR	GWP	GWIP LG Pallamallawa
GW030423_02			09/11/2009	30/07/2013												DWR	GWP	GWIP LG Pallamallawa
GW030423_1																DWR	GWP	GWIP LG Pallamallawa
GW030423_2																DWR	GWP	GWIP LG Pallamallawa
GW030448A			09/01/2007	18/05/2011												DWR	GWP	Tarcoola Turf
GW030450_01			28/01/2010	23/10/2013												DWR	GWP	GWIP LN Culgoora
GW030450_03			28/01/2010	23/10/2013												DWR	GWP	GWIP LN Culgoora
GW030463_01			23/11/2009	30/07/2013												DWR	GWP	GWIP LG ASHLEY 1
GW030463_02			10/11/2009	30/07/2013												DWR	GWP	GWIP LG ASHLEY 2
GW030463_1																DWR	GWP	GWIP LG Ashley
GW030463_2																DWR	GWP	GWIP LG Ashley
\$GW030468_01			04/10/2011	21/08/2013												DWR	PJI	NAMOI BORE BOGGABRI
GW030475A			09/01/2007	18/11/2013												DWR	GWP	Wagga Wagga
GW030484_01																DWR	GWP	New Grenfell Pipe 01
GW030484_02																DWR	DISC	New Grenfell PIPE02
GW030484_03																DWR	DISC	New Grenfell PIPE03
GW030484_04																DWR	DISC	New Grenfell PIPE04
GW030484_05			16/12/2005	24/09/2013												DWR	GWP	New Grenfell Pipe 05
GW030889																GWP		KARAWATHA
GW036005_01			18/05/2010	21/08/2013												DWR	GWP	GWIP UN Harparary
GW036005_02			18/05/2010	21/08/2013												DWR	GWP	GWIP UN Harparary
GW036018_01			26/01/2010	30/07/2013												DWR	GWP	GWIP LG CarnarvonHwy
GW036018_02			10/11/2009	30/07/2013												DWR	GWP	GWIP LG Carnarvon 2
GW036018_03			10/11/2009	30/07/2013												DWR	GWP	GWIP LG Carnarvon 3
GW036018_2																DWR	GWP	GWIP LG CarnarvonHwy
GW036018_3																DWR	GWP	GWIP LG CarnarvonHwy
GW036025_02			28/10/2009	16/10/2013												DWR	GWP	NULABOR
GW036034_01			18/01/2011	16/10/2013												DWR	GWP	BURRABOGIE
GW036040_03			14/05/2009	08/05/2013												DWR	GWP	FOUR CORNERS
GW036041																		
GW036041_2			24/02/2005	01/11/2013											24/02/2005	DWR	GWP	Merah North
GW036043																DWR	GWP	Merah North
GW036043_2			24/02/2005	01/11/2013											24/02/2005	DWR	GWP	Merah North

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	a t t o u i u x	i m m n r p n m y		Code	Class	
GW036045_01			18/05/2010	22/10/2013								DWR	GWP	GWIP LN Spring Plain
GW036045_03			18/05/2010	22/10/2013								DWR	GWP	GWIP LN Spring Plain
GW036053_02			12/07/1999	29/05/2013								DWR	GWP	MOONYANCO
GW036053_1												DWR		532 [Site 2]
GW036053B			12/07/1999	06/05/2010								DWR		Site 2
GW036073													GWP	GILGANDRA
GW036087												DWR		GW036087
GW036092_01			07/12/2009	21/08/2013								DWR	GWP	GWIP UN Robertsons
GW036102A			07/02/1988	11/11/2013								DWR		102 - [Site 3]
GW036115_01			25/01/2010	28/11/2012								DWR	GWP	GWIP LG Morcott
GW036115_02			25/01/2010	28/11/2012								DWR	GWP	GWIP LG Morcott
GW036115_03			25/01/2010	28/11/2012								DWR	GWP	GWIP LG Morcott
GW036119			07/09/2004	29/08/2013								DWR	GWP	Burrundulla Pipe 1
GW036146_01			10/11/2009	30/07/2013								DWR	GWP	GWIP LG GINHAM 1
GW036146_02			10/11/2009	30/07/2013								DWR	GWP	GWIP LG GINHAM 2
GW036146_1												DWR	GWP	GWIP LG Gingham Rd
GW036146_2												DWR	GWP	GWIP LG Gingham Rd
GW036151											17/02/2005	DWR	GWP	Upper Namoi Zone 3
GW036151_2			17/02/2005	06/03/2013					T			DWR	GWP	Upper Namoi Zone 3
GW036152											17/02/2005	DWR	GWP	Upper Namoi Zone 3
GW036152_3			17/02/2005	17/10/2012					T			DWR	GWP	Upper Namoi Zone 3
GW036154_02			26/01/2010	04/10/2013								DWR	GWP	GWIP LN Cubbaroo Ln
GW036161_03			19/10/2009	30/07/2013								DWR	GWP	GWIP LG Watercourse
GW036183_02												DWR	GWP	
GW036186			22/04/2005	24/10/2013					T			DWR	GWP	Maules Merriendi Xng
GW036187			06/09/2007	24/10/2013					T			DWR	GWP	Maules Merriendi Rd
GW036189_03												DWR	GWP	GWIP UN CarrolBreeza
GW036195												DWR	GWP	ARMATREE
GW036201A			30/05/2005	06/05/2013								DWR		Site 83
GW036211_01			12/08/2010	23/10/2013								DWR	GWP	STEAM PLAINS
GW036213_01			08/12/2009	11/07/2013								DWR	GWP	GWIP UN Battery Hill
GW036213_03			08/12/2009	11/07/2013								DWR	GWP	GWIP UN Battery Hill
GW036215											17/02/2005	DWR	GWP	Upper Namoi Zone 3
GW036215_01			19/05/2010	22/08/2013								DWR	GWP	GWIP UN Redbank Rd
GW036215_03			19/05/2010	22/08/2013								DWR	GWP	GWIP UN Redbank Rd
GW036215_2			17/02/2005	06/03/2013					T			DWR	GWP	Upper Namoi Zone 3
GW036218_02			26/01/2010	22/10/2013								DWR	GWP	GWIP LN Kyeema
GW036224_01			27/01/2010	22/10/2013								DWR	GWP	GWIP LN Mareeba

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GW036229_01			22/09/2009	23/10/2013												DWR	GWP	OOLAMBEYAN_01
GW036229_03			22/09/2009	23/10/2013												DWR	GWP	OOLAMBEYAN_03
GW036238			15/02/2005	04/03/2013						T						DWR	GWP	Upper Namoi Zone 4
GW036245																	GWP	New ARMATREE
GW036249_02			26/01/2010	04/10/2013												DWR	GWP	GWIP LN Burren
GW036255_02			26/01/2010	04/10/2013												DWR	GWP	GWIP LN Camerons Ln
GW036275_01			15/12/2009	16/10/2013												DWR	GWP	TOGANMAIN
GW036275_02			15/12/2009	16/10/2013												DWR	GWP	TOGANMAIN
GW036281B			23/10/1999	13/11/2013												DWR		Site 4
GW036282_03			28/10/2010	26/07/2013												DWR	GWP	RIVERVIEW
GW036282B			23/10/1999	09/02/2012												DWR		Site 5
GW036283_03			13/01/2010	15/07/2013												DWR	GWP	WOPERANA
GW036283C			28/03/2007	25/02/2010												DWR		Site 85
GW036284_01			08/05/1978	12/11/2013												DWR	GWP	ROETA RD AT ROETA P1
GW036284_02			08/05/1978	12/11/2013												DWR	GWP	ROETA RD AT ROETA P2
GW036285_02																	GWP	Warrawee
GW036303_02			17/03/2010	21/08/2013												DWR	GWP	COROWA TIP
GW036303B			23/10/1999	04/05/2010												DWR		Site 6
GW036304_01			26/07/1978	12/11/2013												DWR	GWP	MERUNGLE PIPE 1
GW036306B			11/07/1999	13/11/2013												DWR		Site 7
GW036320_03			22/02/2010	04/10/2013												DWR	GWP	GWIP LN Dundee
GW036350_03			02/11/2010	21/08/2013												DWR	GWP	WARANGA
GW036353_02			17/03/2010	21/08/2013												DWR	GWP	ROSEDALE
GW036354_02			18/03/2010	21/08/2013												DWR	GWP	LOCKHAVEN
GW036354B			11/07/1999	04/05/2010												DWR		Site 8
GW036356B			11/07/1999	13/11/2013												DWR		Site 9
GW036358_01			19/01/2010	06/03/2013												DWR	GWP	BENBAH_01
GW036358_03			19/01/2010	06/03/2013												DWR	GWP	BENBAH_03
GW036359_01			17/12/2009	06/03/2013												DWR	GWP	WILBRIGGIE_01
GW036359_03			19/01/2010	06/03/2013												DWR	GWP	WILBRIGGIE_03
GW036366_02			04/11/2009	06/03/2013												DWR	GWP	BENEREMBAH
GW036367_01			06/01/2010	16/08/2013												DWR	GWP	WHITTON SOUTH
GW036367_02			19/01/2010	16/08/2013												DWR	GWP	WHITTON SOUTH_02
GW036368_03			02/11/2009	27/08/2013												DWR	GWP	GOGELDERIE
GW036372_01			20/01/2010	16/08/2013												DWR	GWP	WALSH'S STORAGE_01
GW036372_02			07/01/2010	16/08/2013												DWR	GWP	WALSH'S STORAGE_02
GW036373_01			28/03/2009	08/05/2013												DWR	GWP	POWERLINES
GW036376B			23/10/1999	13/11/2013												DWR		Site 10

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug	a t t o u i u x	m m n r p n m y	d b h d d g	Code	Class				
GW036393_03			18/03/2010	21/08/2013												DWR	GWP	PINEVIEW
GW036396_01			02/11/2009	27/08/2013												DWR	GWP	WHITTON
GW036402																	GWP	CURBAN RAIL
GW036415_03			19/05/2010	23/08/2013												DWR	GWP	GWIP UN Kelvin
GW036418_01			19/05/2010	23/08/2013												DWR	GWP	GWIP UN Prairies Rd
GW036418_03			19/05/2010	23/08/2013												DWR	GWP	GWIP UN Prairies Rd
GW036478_02			22/02/2010	21/08/2013												DWR	GWP	GWIP UN Willala
GW036489			15/02/2005	26/02/2013							T					DWR	GWP	Upper Namoi Zone 4
GW036500_01			04/11/2005	28/02/2013												DWR	GWP	Back Ck South PIPE01
GW036500_02			04/11/2005	28/02/2013												DWR	GWP	Back Ck South PIPE02
GW036501_01																DWR	GWP	Cowra-Back Ck Nth P1
GW036501_02			10/11/2005	24/09/2013												DWR	GWP	Cowra-Back Ck Nth P2
GW036502_01			16/06/2002	18/09/2013												DWR	GWP	Orange Rd West PIPE1
GW036502_02			16/06/2002	18/09/2013												DWR	GWP	Orange Rd West PIPE2
GW036502_03			16/06/2002	18/09/2013												DWR	GWP	Orange Rd West PIPE3
GW036504A			10/05/2001	09/07/2001										09/07/2001		DWR		WEIR POOL @ MDA
GW036515_01			07/12/2009	09/07/2013												DWR	GWP	GWIP UN Ghoolendaadi
GW036515_02			07/12/2009	09/07/2013												DWR	GWP	GWIP UN Ghoolendaadi
GW036515_03			07/12/2009	09/07/2013												DWR	GWP	GWIP UN Ghoolendaadi
GW036530_01			15/06/2009	08/08/2012												DWR	GWP	Wilson Lane South P1
GW036530_02			15/06/2009	08/08/2012												DWR	GWP	Wilson Lane South P2
GW036530_03			15/06/2009	08/08/2012												DWR		Wilson Lane South P3
GW036536_02			07/04/2009	16/07/2013												DWR		Peak Hill Rd Sth P2
GW036553			06/12/2005	24/09/2013												DWR	GWP	Burcher Rd Pipe 1
GW036570_01			18/03/2009	08/05/2013												DWR	GWP	KIDMAN WAY
GW036572_01			29/07/2009	09/05/2013												DWR	GWP	COMMINS ROAD
GW036573_01			03/07/2009	09/05/2013												DWR	GWP	GILBERT ROAD
GW036574_01			02/07/2009	16/08/2013												DWR	GWP	ARGOON ROAD
GW036575_01			14/10/2010	27/08/2013												DWR	GWP	MATHEWS ROAD
GW036580_01			19/10/2010	06/03/2013												DWR	GWP	LOCHART ROAD
GW036582_02			24/11/2009	29/05/2013												DWR	GWP	AMBERDELL
GW036582B			09/07/1999	01/04/2010												DWR		Site 11
GW036584_02			19/10/2009	15/07/2013												DWR	GWP	YANTARA
GW036585_02			13/01/2010	15/07/2013												DWR	GWP	NOORUMBOON
GW036585C			29/03/2007	24/05/2010												DWR		Site 86
GW036586_03			13/01/2010	15/07/2013												DWR	GWP	GAERLOCH
GW036586C			18/06/2007	04/11/2009												DWR		Site 87
GW036587_04			09/09/2009	15/07/2013												DWR	GWP	TUPPAL CREEK

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O					Discont. Date	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	n m p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g		Code	Class	
GW036588_04			13/01/2010	15/07/2013												DWR	GWP	MOROCCO WEST
GW036597															21/02/2007	DWR	DISC	MARSDEN WEST
GW036597_01			23/03/2006	11/05/2010											21/02/2007	DWR	DISC	MARSDEN WEST
GW036597_02			31/10/1985	27/02/2013												DWR	GWP	Marsden West Pipe 2
GW036600_01			09/06/2010	22/08/2013												DWR	GWP	GWIP UN Binnalong Rd
GW036600_03			19/05/2010	22/08/2013												DWR	GWP	GWIP UN Binnalong Rd
GW036611			07/12/2005	24/09/2013												DWR	GWP	Marsden East Pipe 1
GW036616_01			08/11/2009	17/07/2013												DWR		Mitchell@ Sissian P1
GW036616_03			06/08/2009	17/07/2013												DWR		Mitchell@ Sissian P3
GW036617_02			27/08/2009	17/07/2013												DWR		Rocky Point Rd Pipe2
GW036617_03			27/08/2009	17/07/2013												DWR		Rocky Point Rd Pipe3
GW036632			13/12/2011	24/09/2013												DWR	GWP	GW Bribaree
GW036635_03			30/07/2009	18/04/2013												DWR	GWP	PINERISE
GW036635B			10/07/1999	09/05/2013												DWR		Site 14
GW036635C				06/05/2010												DWR		Site 15
GW036638_04			19/07/2010	18/04/2013												DWR	GWP	MOORAWANGA
GW036638C			10/07/1999	26/11/2012												DWR		Site 16
GW036638D				06/05/2010												DWR		Site 17
GW036642_01			21/05/2009	18/04/2013												DWR	GWP	BERRIGAN EAST
GW036691_02																DWR	GWP	BOONAL
GW036697			27/07/2005	27/03/2006						T					27/03/2006	DWR	DISC	Border Rivers/Keetah
GW036701			16/01/1990	31/05/2006						T					09/06/1987	DWR	GWP	WOLLONGBAR
GW036701_1			16/01/1990	08/05/2013						T						DWR	GWP	WOLLONGBAR
GW036701_2			16/01/1990	08/05/2013						T						DWR	GWP	WOLLONGBAR
GW036702			16/01/1990	31/05/2006						T					30/06/1987	DWR	GWP	PEARCES CREEK
GW036702_1			16/01/1990	08/05/2013						T						DWR	GWP	PEARCES CREEK
GW036702_2			16/01/1990	08/05/2013						T						DWR	GWP	PEARCES CREEK
GW036742_02			12/01/2010	20/06/2013												DWR	GWP	WOODLEA
GW036742B			27/03/2007	26/02/2010												DWR		Site 88
GW036743_02			27/08/2009	20/06/2013												DWR	GWP	HAZELDENE
GW036743A			10/07/1999	19/11/2013												DWR		Site 18
GW036743B				26/02/2010												DWR		Site 19
GW036744_02			27/08/2009	30/10/2013												DWR	GWP	MCALLISTER
GW036744A			12/07/1999	19/11/2013												DWR		Site 20
GW036744C				01/02/2013												DWR		Site 22
GW036747_03			21/10/2009	29/05/2013												DWR	GWP	PINDAREE
GW036747A			13/07/1999	07/11/2013												DWR		Site 23
GW036747B				02/11/2012												DWR		Site 24

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y	W H O D i s c o n t . D a t e	Org. Net Code Class	NAME
GW036747C				11/05/2011								DWR	Site 25
GW036765_03			24/11/2009	12/02/2013								DWR GWP	WARATAH
GW036765C			09/07/1999	18/05/2010								DWR	Site 26
GW036765D				07/11/2013								DWR	Site 27
GW036766A			13/07/1999	18/11/2013								DWR	Site 28
GW036766B				18/11/2013								DWR	Site 29
GW036769A			14/07/1999	05/11/2013								DWR	Site 30
GW036769B				17/02/2012								DWR	Site 31
GW036774_01			16/12/2009	09/05/2013								DWR GWP	GIDGELL_01
GW036774_02			16/12/2009	09/05/2013								DWR GWP	GIDGELL_02
GW036782A			14/12/1995	06/11/2013								DWR	NOOLA STN @ LK VIC
GW036789_01			22/10/2008	30/06/2010							30/06/2010	DWR DISC	LB 036789
GW036806_01			14/12/1991	28/04/2011					T			DWR	GW036806
GW036806_02												DWR	GW036806 PIPE 2
GW036807_01			10/12/1991	16/05/2013					T			DWR	Menindee @ Wilcan Pl
GW036807_02												DWR	GW036807 PIPE 2
GW036809A			27/08/1989	23/07/2013								DWR	36809 @ ELLERSLIE
GW036810A			26/11/1998	23/07/2013								DWR	BURTUNDY
GW036811A			26/11/1998	23/07/2013								DWR	LETHERO
GW036812A			16/02/1998	30/11/2012								DWR	BONO @ MENINDEE
GW036813A			28/08/1989	29/11/2012								DWR	GOLF COURSE @ MENIND
GW036814A			17/02/1998	27/11/2012								DWR	CAWNDILLA @ MENINDEE
GW036815A			17/02/1998	26/11/2012								DWR	TANDOU @ MENINDEE
GW036816A			17/02/1998	26/11/2012								DWR	TANDOU @ MENINDEE
GW036818A			30/11/1998	23/07/2013								DWR	POPILTAH
GW036819A			30/11/1998	23/07/2013								DWR	WATARA
GW036820B			26/02/1998	23/07/2013								DWR	KELLEEN
GW036821B			15/07/1999	06/11/2013								DWR	Site 32
GW036821C				06/11/2013								DWR	Site 33
GW036824A			14/07/1999	02/08/2012								DWR	Site 34
GW036836_01			05/06/1992	16/05/2013					T			DWR	GW036836 @ Wilcan Pl
GW036836_02												DWR	GW036836 PIPE 2
GW036837A			11/12/1991	29/11/2012								DWR	36837 @ MENINDEE.
GW036839_01			14/12/1991	16/05/2013					T			DWR	Wilcannia @ Tilpa Pl
GW036839_02												DWR	GW036839 PIPE 2
GW036839_03												DWR	GW036839 PIPE 3
GW036841_01			14/12/1991	16/05/2013					T			DWR	Tilpa Wilga NP Pl
GW036841_02												DWR	GW036841 PIPE 2

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i u x i m m n r p n m y n p p d b h d d g	Discont. Date	Org. Net Code Class	NAME
GW036841_03												DWR	GW036841 PIPE 3
GW036842_01			05/06/1992	16/05/2013						T		DWR	Tilpa GW Pipe 1
GW036842_02												DWR	GW036842 PIPE 2
GW036848_01			02/03/2010	07/02/2013						T		DWR GWP	Winbar Woolshed P1
GW036848_02			01/12/2009	07/02/2013						T		DWR GWP	Winbar Woolshed P2
GW036848_03			01/12/2009	06/06/2013						T		DWR GWP	Winbar Wollshed P3
GW036851A			23/05/1996	07/11/2013								DWR	TALGARRY @ LK VIC
GW036852_01			03/01/1992	06/06/2013						T		DWR	Louth PIPE 1
GW036852_02												DWR	GW036852 PIPE 2
GW036853_01			20/12/1991	30/10/2013						T		DWR	Jandra Sth Bourke P1
GW036853_02												DWR	GW036853 PIPE 2
GW036853_03												DWR	GW036853 PIPE 3
GW036856A			26/06/1993	01/08/2013								DWR	MALLEE CLIFFS
GW036857A			08/05/1994	29/07/2013								DWR	MALLEE CLIFFS
GW036857B				29/07/2013								DWR	MALLEE CLIFFS
GW036858A			11/04/1994	29/07/2013								DWR	@ MALLEE CLIFFS BASI
GW036858B				29/07/2013								DWR	@ MALLEE CLIFFS BASI
GW036871_03			20/10/2009	29/05/2013								DWR GWP	BARRATTA
GW036871B			14/07/1999	05/11/2013								DWR	site 35
GW036871C				19/05/2010								DWR	Site 36
GW036872_01			16/09/2010	11/09/2013						T		DWR GWP	GWMA035 SWR036872 P1
GW036872_02			16/09/2010	11/09/2013						T		DWR GWP	GWMA035 SWR036872 P2
GW036874_01												DWR GWP	GWMA035 SWR036874 P1
GW036876_02			22/12/2010	21/02/2013								DWR GWP	PINEHURST
GW036876B			02/04/2007	25/02/2010								DWR	Site 89
GW036880A			15/04/1994	29/07/2013								DWR	MALLEE CLIFFS
GW036880B				29/07/2013								DWR	MALLEE CLIFFS
GW036882_01			09/06/1992	03/06/2013						T		DWR GWP	Walgett Pipe 1
GW036882_02												DWR GWP	GW036882 pipe 2
GW036883_01			31/12/1991	29/10/2013						T		DWR GWP	Brewon Pipe 1
GW036884_01			23/12/1991	29/10/2013						T		DWR GWP	Brewarrina Pipe 1
GW036885_01			09/06/1992	29/10/2013						T		DWR	Beemery Pipe 1
GW036891A			14/04/1999	29/11/2012								DWR	TALYAWALKA CK @ MENI
GW036891B				25/04/2012								DWR	TALYAWALKA CK @ MENI
GW036907_01			30/12/1991	03/06/2013						T		DWR	Hiawatha Cllrnabri P1
GW036909_01			31/12/1991	03/06/2013						T		DWR	Tara Cllrnabri Pipe 1
GW036934_01			08/06/1992	30/10/2013						T		DWR	Dead Mans Ck Pipe 1
GW036934_02			29/09/1993	30/10/2013						T		DWR	Dead Mans Ck Pipe 2

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x Discont. i m m n r p n m y Date										Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	n	p	p	d	b	H	d	d	g	Code	Class		
GW036934_03			09/08/1993	30/10/2013						T									DWR		Dead Mans Ck PIPE 3	
GW036937_01			08/06/1992	30/10/2013						T									DWR	GWP	Glenvilla Pipe 1	
GW036937_02			09/08/1993	30/10/2013						T									DWR	GWP	Glenvilla Pipe 2	
GW036937_03			09/08/1993	30/10/2013						T									DWR	GWP	Glenvilla Pipe 3	
GW036938A			07/05/1994	29/07/2013															DWR		MALLEE CLIFFS	
GW036938B				29/07/2013															DWR		MALLEE CLIFFS	
GW036940A			18/06/1998	29/07/2013															DWR		MALLEE CLIFFS	
GW036940B				29/07/2013															DWR		MALLEE CLIFFS	
GW036943A			15/04/1994	30/07/2013															DWR		MALLEE CLIFFS	
GW036943B				30/07/2013															DWR		MALLEE CLIFFS	
GW036944A			16/12/1992	29/07/2013															DWR		MALLEE CLIFFS	
GW036945A			26/08/1994	29/07/2013															DWR		MALLEE CLIFFS	
GW036955A			15/12/1992	29/07/2013															DWR		MALLEE CLIFFS	
GW036966A			09/04/1999	07/11/2013															DWR		TALGARRY @ LK VIC	
GW036967A			19/12/1995	26/11/2012															DWR		TANDOU @ MENINDEE	
GW036970_01			01/04/2010	31/05/2013															DWR		Wilson @ Arcadia P1	
GW036970_02			01/04/2010	31/05/2013															DWR		Wilson @ Arcadia P2	
GW036970_03			01/04/2010	31/05/2013															DWR		Wilson @ Arcadia P3	
GW036977_01			27/08/2009	17/07/2013															DWR		Warren @ Bugaboo P1	
GW036977_03			15/10/2009	17/07/2013															DWR		Warren @ Bugaboo P3	
GW036978_02			27/08/2009	17/07/2013															DWR		Buddah Stn Pipe 2	
GW036982A			31/03/1995	28/11/2012															DWR		SNAKE ISLAND	
GW036982B				28/11/2012															DWR		SNAKE ISLAND	
GW036990A			18/12/1995	19/04/2005														19/04/2005	DWR		MENINDEE	
GW036991A			20/12/1995	19/04/2005															DWR		MENINDEE	
GW036992A			18/12/1995	26/11/2012															DWR		MENINDEE	
GW036993A			15/04/1999	26/11/2012															DWR		MENINDEE	
\$GW039001			07/06/1999	16/08/2013						T									DWR	GWP	THE RANCH	
GW039002																			DWR	GWP	The Ranch 2	
GW039003																			DWR	GWP	Yarranung 1	
GW039004																			DWR	GWP	Yarranung 2	
GW039005																			DWR	GWP	Yarranung 3	
GW039006																			DWR	GWP	Tarraganda Lane 1	
GW039007																			DWR	GWP	Tarraganda Lane 2	
GW039008																			DWR	GWP	Tarraganda Lane 3	
GW039009																			DWR	GWP	Daisy Bank	
GW039010																			DWR	GWP	Daisy Bank 2	
GW039011																			DWR	GWP	Allawah	

Station	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T	W H O	Discont.	Org. Net	Code Class	NAME
Number	Start	End	Start	End	First	Last	Last	of	of	i m m n r p n m y	a t t o u i u x	Date			
					Starts	Starts	Tab	Tab	Gaug	n p p d b H d d g					
GW039012													DWR	GWP	Warraguburra 1
GW039013													DWR	GWP	Warraguburra 2
GW039014													DWR	GWP	Warraguburra 3
GW039019													DWR	GWP	Jellat Jellat 1
GW039020													DWR	GWP	Jellat Jellat 2
GW039021													DWR	GWP	Jellat Jellat 3
GW039022													DWR	GWP	Jellat Jellat 4
GW039023													DWR	GWP	Betunga Swamp 1
GW039024													DWR	GWP	Penooka Swamp 1
GW039025													DWR	GWP	Penooka Swamp 3
GW039026													DWR	GWP	Penooka Swamp 2
GW039027													DWR	GWP	Betunga Swamp 2
GW039054													DWR	GWP	Penooka Swamp 4
GW039055													DWR	GWP	Betunga Swamp 3
GW039056													DWR	GWP	Betunga Swamp 4
GW039067_01			07/04/2009	16/07/2013									DWR		Peak Hill Rd Nth P1
GW039068_01			18/08/2009	16/07/2013									DWR		E Farrendale Rd P1
GW039081			03/03/2010	26/09/2012						T		26/09/2012	DWR	GWP	Weeks Ln
GW039082			02/03/2010	26/09/2012						T		26/09/2012	DWR	GWP	Templetons Ln
GW039083_01			03/03/2010	26/09/2012						T		26/09/2012	DWR	GWP	Beach Rd nested East
GW039083_02			03/03/2010	26/09/2012						T			DWR	GWP	Beach Rd nested west
GW039084			03/03/2010	26/09/2012						T		26/09/2012	DWR	GWP	Beach Rd
GW039085			03/03/2010	26/09/2012						T		25/09/2012	DWR	GWP	Carramar Dr
GW039086			03/03/2010	26/09/2012						T		26/06/2013	DWR	GWP	Currie Close
GW039089_01			02/03/2010	26/09/2012						T			DWR	GWP	Manning Pt North
GW039089_02			02/03/2010	26/09/2012						T		26/09/2012	DWR	GWP	Manning Pt Rd Sth
GW039092			04/03/2010	25/09/2012						T		25/09/2012	DWR	GWP	Ghinni Ghinni
GW039384			16/10/2003	22/12/2003									DWR		LUMOB
GW040354A			26/02/1998	23/07/2013									DWR		HAZELDELL
GW040357A			26/02/1998	23/07/2013									DWR		HAZELDELL
GW040375A			18/04/2005	12/12/2011									DWR	GWP	40375 @ Tandou
GW040482													DWR		
GW040493			04/03/2010	25/09/2012						T		25/09/2012	DWR	GWP	Christies Ln
GW040494			13/04/2010	25/09/2012						T			DWR	GWP	HARRINGTON SEWRAGE
GW040506			19/12/2006	16/10/2012						T			DWR	GWP	Alstonville
GW040771			27/07/2005	19/08/2010						T		19/08/2010	DWR	DISC	Bord/Rivers Tarwoona
GW040795A			20/12/1995	27/11/2012									DWR		MENINDEE
GW040795B				16/06/2012									DWR		MENINDEE

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O					Discont. Date	Org. Net Code Class	NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i x	n m y	p n m y	r p n m y	d b h d d g			
GW040797A			19/12/1995	05/10/2004												DWR	MENINDEE
GW040797B				27/11/2012												DWR	MENINDEE
GW040798A			19/12/1995	12/12/2011												DWR	MENINDEE
GW040799A			19/12/1995	12/12/2011												DWR	MENINDEE
GW040799B				05/04/2010												DWR	MENINDEE
GW040802A			19/12/1995	12/12/2003											19/04/2005	DWR	MENINDEE
GW040802B															19/04/2005	DWR	MENINDEE
GW040804B			01/04/2008	21/11/2012												DWR	GWP MENINDEE
GW040805A															01/07/1999	DWR	MENINDEE
GW040805B			10/10/2008	29/11/2012												DWR	MENINDEE
GW040806A			20/12/1995	22/04/2005											22/04/2005	DWR	MENINDEE
GW040807A			18/12/1995	06/10/2004											19/04/2005	DWR	MENINDEE
GW040807B				19/04/2005											19/04/2005	DWR	MENINDEE
GW040808A			20/12/1995	19/04/2005												DWR	MENINDEE
GW040808B				27/11/2012												DWR	MENINDEE
GW040809A			15/06/1998	29/07/2013												DWR	MALLEE CLIFFS
GW040831			27/07/2005	19/08/2010						T					19/08/2010	DWR	DISC Border Rvrs/Lochiel
GW040837A			14/04/1999	27/11/2012												DWR	EMU LK @ MENINDEE
GW040838A			15/04/1999	13/03/2006												DWR	LK CAWNDILLA @ MENIN
GW040839A			15/04/1999	20/04/2005											20/04/2005	DWR	LK MENINDEE @ MENIND
GW040862_01			22/02/2011	09/05/2013												DWR	GWP TUBBO
GW040863_01			14/10/2010	09/05/2013												DWR	GWP RINGWOOD_01
GW040863_02			14/10/2010	09/05/2013												DWR	GWP RINGWOOD_02
GW040872			02/05/2003	28/07/2004						T						DWR	GW040872
GW040873_01			04/05/2003	07/02/2013						T						DWR	GW040873 Wlcannia P1
GW040873_02			04/05/2003	28/07/2004						T						DWR	GW040873 PIPE 2
GW040873_03			04/05/2003	28/07/2004						T						DWR	GW040873 PIPE 3
GW040874_01			04/05/2003	16/05/2013						T						DWR	GW040874 Wlcannia P1
GW040874_02			04/05/2003	16/05/2013						T						DWR	GW040874 Wlcannia P2
GW040874_03			04/05/2003	16/05/2013						T						DWR	GW040874 Wlcannia P3
GW040875																DWR	
GW040892			04/05/2003	26/05/2005						T						DWR	GW040892 @ WILCANNIA
GW040905																GWP	CLIFTON 2
GW040947A			24/02/2005	13/11/2013												DWR	Site 78
GW040947B				13/11/2013												DWR	Site 79
GW040948A			25/02/2005	02/08/2006												DWR	Site 80
GW040956_03			20/05/2009	09/05/2013												DWR	GWP SAFE T CAM
GW040957_03			28/07/2009	28/08/2013												DWR	GWP UROLY

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y	W H O D i s c o n t . D a t e	Org. Net Code Class	NAME
GW040958_02			14/05/2009	09/05/2013								DWR GWP	UGOBIT STATE FOREST
GW040959			30/11/2006	15/11/2013						T		DWR GWP	Carinya
GW040960			30/11/2006	03/12/2013						T		DWR GWP	Hollydeen
GW040961			30/03/2007	03/12/2013						T		DWR GWP	River View
GW040962			18/12/2006	03/12/2013						T		DWR GWP	Baerami House
GW040963			18/12/2006	03/12/2013						T		DWR GWP	1590 Bylong Valley
GW040964			30/05/2007	15/11/2013						T		DWR GWP	Pleasant View
GW040965			30/11/2006	03/09/2013						T		DWR GWP	Stairs Road
GW040966												GWP	WEILMORINGLE 2A
GW040977_02			23/06/2009	20/06/2013								DWR GWP	HARTWOOD
GW040979_02			01/02/2012	15/07/2013								DWR GWP	MILLAWA STATE FOREST
GW040979A			23/02/2006	08/11/2013								DWR	Site 81
GW040979B				03/05/2012								DWR	Site 82
GW040999_1			10/01/2006	09/05/2013						T		DWR GWP	Marom Creek Shallow
GW040999_2			16/01/2006	09/05/2013						T		DWR	Marom Creek Deep
GW041000_1			18/12/2006	09/05/2013						T		DWR GWP	Convery Lane 1
GW041000_2			18/12/2006	09/05/2013						T		DWR GWP	Convery Lane 2
GW041001_1			11/01/2006	09/05/2013						T		DWR GWP	Lumney Park
GW041001_2			11/01/2006	09/05/2013						T		DWR GWP	Lumney Cutting
GW041002			19/12/2006	08/05/2013						T		DWR GWP	Boatharbour
GW041003_1			11/01/2006	08/05/2013						T		DWR GWP	Fernleigh Shallow
GW041003_2			11/01/2006	08/05/2013						T		DWR GWP	Fernleigh Deep
GW041004_1			11/01/2006	08/05/2013						T		DWR GWP	Nashua Shallow
GW041004_2			11/01/2006	08/05/2013						T		DWR GWP	Nashua Deep
GW041005			12/01/2006	07/05/2013						T		DWR GWP	Duck Creek Shallow
GW041007_1			19/12/2006	08/05/2013						T		DWR GWP	Eltham 1
GW041007_2			19/12/2006	17/10/2012						T		DWR GWP	Eltham 2
GW041008_1			19/12/2006	08/05/2013						T		DWR GWP	Corndale 1
GW041008_2			19/12/2006	08/05/2013						T		DWR GWP	Corndale 2
GW041011_03			18/01/2011	16/10/2013								DWR GWP	KOLORA
GW041012_03			24/09/2009	16/10/2013								DWR GWP	GUNDALINE
GW041014			01/08/2006	19/08/2013						T		DWR	BOWRAVIL BORE NO. 14
GW041015			01/08/2006	19/08/2013						T		DWR	BOWRAVIL BORE NO. 15
GW041016			01/08/2006	03/09/2013						T		DWR	BOWRAVIL BORE NO. 16
GW041017			01/08/2006	20/08/2013						T		DWR	BOWRAVIL BORE NO. 17
GW041018			01/08/2006	20/08/2013						T		DWR	BOWRAVIL BORE NO. 18
GW041019			01/08/2006	13/09/2012						T C		DWR	BOWRAVIL BORE NO. 19

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug		R A W C T a t t o u i u x i m m n r p n m y n p p d b h d d g	Discont. Date	Org. Net Code Class	NAME
GW041022											GWP	YERANBAH
GW041027			06/09/2007	24/10/2013					T		DWR GWP	MAULES CK Thornfield
GW041047											GWP	BOOMI
GW041076											GWP	BRENDA
GW041079_02			23/03/2010	30/10/2013							DWR GWP	GLENALVIE
GW041080_01			27/08/2009	29/05/2013							DWR GWP	CONARGO ROAD
GW041081_02			23/03/2010	29/07/2013							DWR GWP	DEVON ROAD
GW042158			04/05/1999	02/10/2013					T		DWR GWP	BOTANY @ MOORE GOLF
GW042161			14/03/2000	02/10/2013					T		DWR GWP	BOTANY @ EASTLAKES
GW042402			04/01/1992	25/06/2009					T		DWR	GW042402
GW042404			04/01/1992	25/06/2009					T		DWR	GW042404
GW042406			22/02/1994	24/02/2001							DWR	GW042406
GW042414			09/08/1993	30/11/2009					T		DWR	GW042414
GW042416			03/01/1992	13/07/2005							DWR	GW042416
GW042418			19/12/1991	22/09/2009					T		DWR	GW042418
GW042420			04/06/1996	10/03/2009					T		DWR	GW042420
GW042421			17/07/1999	24/02/2005							DWR	GW042421
GW042423			09/08/1993	25/06/2009					T		DWR	GW042423
GW042425			04/06/1996	25/06/2009					T		DWR	GW042425
GW053477_01											DWR GWP	GWMA035 SWR053477 P1
GW060354			03/05/2005	02/08/2006					T	02/08/2006	DWR GWP	ZONE 1A
GW064051			04/11/1993	26/08/2013					T		DWR GWP	Westys
GW065976			19/01/2006	09/05/2013					T		DWR GWP	Bewers Hill
GW066742										01/01/2008	DWR DISC	
GW075000_01			28/11/1997	09/10/2013					T		DWR GWP	HEARSESD RD 1
GW075000_02			05/02/1998	09/10/2013					T		DWR GWP	HEARSESD RD 2
GW075000_03			05/02/1998	09/10/2013					T		DWR GWP	HEARSESD RD 3
GW075001			03/12/1997	09/10/2013					T		DWR GWP	TELEGRAPH RD.
GW075002_01			11/02/1998	09/10/2013					T		DWR GWP	MARKET GARDENS #1
GW075002_02			11/02/1998	09/10/2013					T		DWR GWP	MARKET GARDENS #2
GW075003			11/02/1998	09/10/2013					T		DWR GWP	MAROOTTA COTTAGE A.
GW075004			04/02/1998	06/08/2013					T		DWR GWP	MAROOTTA COTTAGE B.
GW075005_01			16/09/1997	29/08/2013					T		DWR GWP	LEURA @ DARWIN RD #1
GW075005_02			16/09/1997	29/08/2013					T		DWR GWP	LEURA @ DARWIN RD #2
GW075006_01			16/09/1997	29/08/2013					T		DWR GWP	LEURA @ SINCLAIR CR1
GW075006_02			16/09/1997	29/08/2013					T		DWR GWP	LEURA @ SINCLAIR CR2
GW075007_01			16/07/1998	29/08/2013					T		DWR GWP	LEURA @ GOLF COURSE1
GW075007_02			29/01/1998	29/08/2013					T		DWR GWP	LEURA @ GOLF COURSE2

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug		R A W C T a t t o u i m m n r p n m y	W H O D i s c o n t . D a t e	Org. Net Code Class	NAME
GW075009			17/03/1995	30/07/2007						30/07/2009	DWR DISC	RMB1310-Calga
GW075010			27/10/1994	20/09/2006						30/07/2007	DWR DISC	RMB1535- Peats Ridge
GW075011_01			06/06/2006	22/10/2013					T		DWR GWP	RICKABYS CREEK BORE1
GW075011_02			06/06/2006	22/10/2013					T		DWR GWP	RICKABYS CREEK BORE2
GW075011_03			06/06/2006	22/10/2013					T		DWR GWP	RICKABYS CREEK BORE3
GW075012_1			29/09/1999	26/08/2013					T		DWR GWP	Ag Station 1 No1
GW075012_2			29/09/1999	26/08/2013					T		DWR GWP	Ag Station 2 No1
GW075013_1			13/08/1998	13/08/2013					T		DWR GWP	Nicklins No1
GW075013_2			13/08/1998	13/08/2013					T		DWR GWP	Nicklins No2
GW075013_3			13/08/1998	26/08/2013					T		DWR GWP	Nicklins No3
GW075014			04/03/1999	26/08/2013					T		DWR GWP	Fabian
GW075015_1			11/08/1998	15/08/2013					T		DWR GWP	Amber Park No1
GW075015_2			11/08/1998	15/08/2013					T		DWR GWP	Amber Park No2
GW075016			11/08/1998	26/08/2013					T		DWR GWP	Hall
GW075017			04/03/1999	02/10/2013					T		DWR GWP	BOTANY @ AUST GOLF
GW075018			04/03/1999	02/10/2013					T		DWR GWP	BOTANY @ RACECOURSE
GW075019			04/03/1999	31/07/2013					T		DWR GWP	BOTANY @ PAPER MILL
GW075020			04/03/1999	02/10/2013					T		DWR GWP	BOTANY @ HEFRON PARK
GW075021			05/03/1999	02/10/2013					T		DWR GWP	BOTANY @ KENSINGTON
GW075022			10/03/1999	02/10/2013					T		DWR GWP	BOTANY @ BORALEE PK.
GW075023			12/05/2005	02/10/2013					T		DWR GWP	BOTANY @ L ESTRANGE
GW075024			10/03/1999	02/10/2013					T		DWR GWP	BOTANY @ MASCOT OVAL
GW075025			04/03/1999	02/10/2013					T		DWR GWP	BOTANY @ ROWLAND PK.
GW075026			16/03/1999	14/08/2013					T		DWR GWP	ARALUEN @ HARRISONS
GW075027_01			16/03/1999	14/08/2013					T		DWR GWP	ARALUEN Town Hall#01
GW075027_02			16/03/1999	14/08/2013					T		DWR GWP	ARALUEN Town Hall#02
GW075028_01			16/03/1999	14/08/2013					T		DWR GWP	BOURKETOWN #01
GW075028_02			16/03/1999	14/08/2013					T		DWR GWP	BOURKETOWN #02
GW075029_01			25/06/1999	14/08/2013					T		DWR GWP	Charlie Harrison #01
GW075029_02			25/06/1999	14/08/2013					T		DWR GWP	Charlie Harrison #02
GW075030			24/06/1999	14/08/2013					T		DWR GWP	ARALUEN @ FIRE STN.
GW075031			24/06/1999	14/08/2013					T		DWR GWP	ARALUEN @ MAIN RD.
GW075032_01			04/02/1999	16/10/2013					T		DWR GWP	STHN HIGH @ STP
GW075032_02			04/02/1999	16/10/2013					T		DWR GWP	STHN HIGH @ STP
GW075033_01			04/02/1999	16/10/2013					T		DWR GWP	STHN HIGH @ PUMPHOUS
GW075033_02			04/02/1999	16/10/2013					T		DWR GWP	STHN HIGH @ PUMPHOUS
GW075034			05/02/1999	16/10/2013					T		DWR GWP	STHN HIGH @ AERO CLU
GW075035			04/02/1999	07/05/2012					T		DWR GWP	STHN HIGH @ BOX VALE

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug	a t t o u i u x	m m n r p n m y	d b h d d g	Code	Class				
GW075036			05/02/1999	16/10/2013						T					DWR	GWP	STHN HIGH @ MONTROSE	
GW075037														01/01/2000	DWR	DISC	Ag Station 1	
GW075038_1			29/09/1999	26/08/2013						T					DWR	GWP	Ag Station 1	
GW075038_2			29/09/1999	26/08/2013						T					DWR	GWP	Ag Station 2	
GW075039														01/01/2000	DWR	DISC	Ag Station 1	
GW075040														01/01/2000	DWR	DISC	Ag Station 1	
GW075041_1														01/01/2000	DWR	DISC	Ag Station 1	
GW075042_2														01/01/2000	DWR	DISC	Ag Station 2	
GW075046			18/07/2001	16/08/2013											DWR	GWP	DUCKHOLE LAGOON BORE	
GW075047			30/05/2001	16/08/2013											DWR	GWP	KINGSWOOD BORE	
GW075048_01			15/06/2001	16/08/2013											DWR	GWP	BORE @ RIVERSIDE #01	
GW075048_02			10/06/2001	16/08/2013											DWR	GWP	BORE @ RIVERSIDE #02	
GW075049			09/07/2001	16/08/2013											DWR	GWP	JELGOWRY BORE	
GW075050_01			31/05/2001	16/08/2013											DWR	GWP	BORE THE MEADOWS #01	
GW075050_02			07/06/2001	16/08/2013											DWR	GWP	BORE THE MEADOWS #02	
GW075051_01			19/07/1999	01/05/2000										01/05/2000	DWR	GWP	CURRANS @ VULCAN #1	
GW075051_02			19/07/1999	01/05/2000										01/05/2000	DWR	GWP	CURRANS @ VULCAN #2	
GW075052			19/07/1999	01/05/2000										01/05/2000	DWR	GWP	CURRANS @ DOWNES CR	
GW075053			19/07/1999	01/05/2000										04/02/1999	DWR	GWP	CURRANS @ THOMAS WY	
GW075054			19/07/1999	01/05/2000										01/05/2000	DWR	DISC	CURRANS @ MOORE PL	
GW075055														03/02/1999	DWR	GWP	CURRANS HILL @ ORTON	
GW075056_01			20/07/1999	05/05/2000										05/05/2000	DWR	GWP	CURRANS @ OUTRAM #1	
GW075056_02			20/07/1999	05/05/2000										05/05/2000	DWR	GWP	CURRANS @ OUTRAM #2	
GW075057_01			20/07/1999	05/05/2000										05/05/2000	DWR	GWP	Vale Circuit #1	
GW075057_02			20/07/1999	05/05/2000										05/05/2000	DWR	GWP	Vale Circuit #2	
GW075058			20/07/1999	05/05/2000										03/09/1998	DWR	GWP	CURRANS @ ORIELTON R	
GW075059			23/04/2002	03/10/2013						T					DWR	GWP	BOTANY@ SCARBOROUGH	
GW075060			24/04/2002	03/10/2013						T					DWR	GWP	BOTANY @ ABBOTTS E	
GW075061			24/04/2002	03/10/2013						T					DWR	GWP	BOTANY @ ABBOTTS W	
GW075062			24/04/2002	03/10/2013						T					DWR	GWP	BOTANY @ MARTON PARK	
GW075063			23/04/2002	03/10/2013						T					DWR	GWP	BOTANY @ TONBRIDGE	
GW075064			30/08/2001	30/06/2011										11/08/2004	DWR	DISC	CECIL HILLS @ SITE 1	
GW075065			30/08/2001	30/06/2011										11/08/2004	DWR	DISC	CECIL HILLS @ SITE 2	
GW075066			30/08/2001	30/06/2011										11/08/2004	DWR	DISC	CECIL HILLS @ SITE 3	
GW075067			30/08/2001	30/06/2011						T C				11/08/2004	DWR	GWP	CECIL HILLS @ SITE 4	
GW075068			30/08/2001	30/06/2011						T C				20/08/2002	DWR	DISC	CECIL HILLS @ SITE 5	
GW075069			30/08/2001	18/12/2001						T C				18/12/2001	DWR	DISC	GLENMORE @ SOFTBALL	
GW075070			30/08/2001	06/02/2003						T C				06/02/2003	DWR	GWP	GLENMORE @ RESERVE	

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O										Discont. Date	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug	a n	t p	t p	o d	u b	i h	x d	D g	Code	Class				
GW075071			30/08/2001	24/07/2009						T	C							17/05/2010	DWR	GWP	GLENMORE @ ENGLEWOOD		
GW075072			30/08/2001	21/01/2009						T	C							21/01/2009	DWR	GWP	GLENMORE @ THUNDER		
GW075073			30/08/2001	24/07/2009						T								18/05/2010	DWR	GWP	GLENMORE @ LAKESIDE		
GW075074			30/08/2001	21/01/2009						T	C							21/01/2009	DWR	GWP	GLENMORE @ GLENGARRY		
GW075075			30/08/2001	06/02/2003						T	C							19/05/2010	DWR	GWP	GLENMORE @ BLUE HILL		
GW075076			30/08/2001	06/02/2003						T	C							06/02/2003	DWR	GWP	OXLEY @ EDMONDSON AV		
GW075077			30/08/2001	06/02/2003						T	C							06/02/2003	DWR	GWP	OXLEY @ SCHOOL		
GW075078			30/08/2001	02/06/2003						T	C							06/02/2003	DWR	DISC	OXLEY @ WHITCROFT PL		
GW075079_01																		08/08/2007	DWR	GWP	CRANEBROOK PARK #1		
GW075079_02			06/06/2006	14/05/2013						T								14/05/2013	DWR	GWP	CRANEBROOK PARK #2		
GW075080																		21/08/1998	DWR	GWP	GLOSSODIA		
GW075081			05/06/2006	16/10/2013						T									DWR	GWP	GLOSSODIA @ MEADOWS		
GW075082																		28/02/2003	DWR	GWP	OXLEY @ WHITCROFT 2		
GW075083																		24/03/2003	DWR	GWP	LAKESIDE No.3		
GW075084																		24/03/2003	DWR	GWP	LAKESIDE No.2		
GW075085																		21/01/2009	DWR	GWP	LAKESIDE No.1		
GW075086																		24/07/2009	DWR	GWP	MANDALONG TCE		
GW075087																		25/03/2003	DWR	GWP	NADA PLACE		
GW075088																		24/07/2009	DWR	GWP	BLUE HILLS R/ABOUT		
GW075089_01			16/02/2011	12/09/2013						T									DWR	GWP	YONDELL AVE RES No.1		
GW075089_02			16/02/2011	18/09/2013						T									DWR	GWP	YONDELL AVE RES No.2		
GW075090_01			16/02/2011	18/09/2013						T									DWR	GWP	SPRINGWOOD GC No.1		
GW075090_02			16/02/2011	16/09/2013						T									DWR	GWP	SPRINGWOOD GC No.2		
GW075091			16/02/2011	15/09/2013						T									DWR	GWP	SPRINGWOOD GC		
GW075092_01			15/02/2011	18/09/2013						T									DWR	GWP	KNAPSACK PK No.1		
GW075092_02			15/02/2011	18/09/2013						T									DWR	GWP	KNAPSACK PK No.2		
GW075092_03			15/02/2011	18/09/2013						T									DWR	GWP	KNAPSACK PK No.3		
GW075093_01			15/02/2011	18/09/2013						T									DWR	GWP	GLENBROOK LAGOON No1		
GW075093_02			15/02/2011	18/09/2013						T									DWR	GWP	GLENBROOK LAGOON No2		
GW075093_03			15/02/2011	18/09/2013						T									DWR	GWP	GLENBROOK LAGOON No3		
GW075093_04			15/02/2011	18/09/2013						T									DWR	GWP	GLENBROOK LAGOON No4		
GW075094			16/02/2011	18/02/2013						T									DWR	GWP	LAPSTONE TENNIS CTS		
GW075095_01			16/02/2011	02/05/2013						T									DWR	GWP	LOMATIA PK BORE No.1		
GW075095_02			16/02/2011	18/09/2013						T									DWR	GWP	LOMATIA PK BORE No.2		
GW075095_03			16/02/2011	18/09/2013						T									DWR	GWP	LOMATIA PK BORE No.3		
GW075096_01			16/02/2011	15/09/2013						T									DWR	GWP	SUMMERHAYES PK No.1		
GW075096_02			16/02/2011	19/09/2013						T									DWR	GWP	SUMMERHAYES PK No.2		
GW075097_01			15/02/2011	04/09/2013						T									DWR	GWP	WEDMORE RD RES No.1		

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O										Discont.	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i x	m m n r p n m y	d b h d d g	D a t e	Code	Class								
GW075097_02			15/02/2011	04/09/2013						T				DWR	GWP	WEDMORE RD RES No.2							
GW075097_03			17/02/2011	04/09/2013						T				DWR	GWP	WEDMORE RD RES No.3							
GW075098_01			17/02/2011	22/10/2013						T				DWR	GWP	SURVEYORS CK No.1							
GW075098_02			17/02/2011	22/10/2013						T				DWR	GWP	SURVEYORS CK No.2							
GW075098_03			17/02/2011	22/10/2013						T				DWR	GWP	SURVEYORS CK No.3							
GW075401_01			08/06/2012	16/10/2013						T				DWR	GWP	WILBERFORCE BORE No1							
GW075401_02			16/02/2011	16/10/2013						T				DWR	GWP	WILBERFORCE BORE No2							
GW075402_01			16/02/2011	16/10/2013						T				DWR	GWP	GLOSSODIA PK No.1							
GW075402_02			16/02/2011	16/10/2013						T				DWR	GWP	GLOSSODIA PK No.2							
GW075403			16/02/2011	16/10/2013						T				DWR	GWP	STANLEY PARK							
GW075404_01			16/02/2011	16/10/2013						T				DWR	GWP	WOODBURY RES No.1							
GW075404_02			16/02/2011	16/10/2013						T				DWR	GWP	WOODBURY RES No.2							
GW075405_01			07/12/2011	27/08/2013						T				DWR	GWP	Glen Alice 1							
GW075405_02			07/12/2011	27/08/2013						T				DWR	GWP	Glen Alice2							
GW075406			07/12/2011	27/08/2013						T				DWR	GWP	GD camp							
GW075407			07/12/2011	27/08/2013						T				DWR	GWP	GD Site							
GW075409_01			13/10/2011	20/08/2013						T				DWR	GWP	LAKE COURIDJAH No.1							
GW075409_02			13/10/2011	20/08/2013						T				DWR	GWP	LAKE COURIDJAH No.2							
GW075410			13/10/2011	20/08/2013						T				DWR	GWP	LAKE NERRIGORANG							
GW075411			13/10/2011	20/08/2013						T				DWR	GWP	LAKE GANDANGARRA							
GW075412			23/01/2013	16/10/2013						T				DWR	GWP	REDHILLS RD RES							
GW075413			23/01/2013	16/10/2013						T				DWR	GWP	MANSFIELD RES							
GW078004			14/08/2006	13/11/2013						T				DWR	GWP	YARRAWA AIRSTRIP							
GW079055			15/01/2001	11/09/2013						T				DWR	GWP	WOLLOMBI 1							
GW079056			15/01/2001	11/09/2013						T				DWR	GWP	WOLLOMBI 2							
GW079057			15/01/2001	11/09/2013						T				DWR	GWP	BROKE 1							
GW079058			15/01/2001	11/09/2013						T				DWR	GWP	BROKE 2							
GW079059			13/01/2001	11/09/2013						T				DWR	GWP	WARKWORTH 1							
GW079060			13/01/2001	11/09/2013						T				DWR	GWP	WARKWORTH 2							
GW079796			18/06/2012	06/12/2013						T				DWR	GWP	CANNS							
GW079801			14/06/2012	06/12/2013						T				DWR	GWP	KANOONA LANE							
GW0800233_1														DWR		Backwater Rd Pipe 1							
GW0800233_2														DWR	GWP	Backwater Rd Pipe 2							
GW0800233_3														DWR		Backwater Rd Pipe 3							
GW080068			12/01/2001	13/08/2013						T				DWR	GWP	Parkville 1							
GW080069			12/01/2001	13/08/2013						T				DWR	GWP	Parkville 2							
GW080070			12/01/2001	13/08/2013						T C				DWR	GWP	Fresh Meats							
GW080071			12/01/2001	13/08/2013						T C				DWR	GWP	Flame Tree 1							

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug	a t t o u i x	n m p d b h d g	r p n m y	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e		D i s c o n t i n u o u s e	D i s c o n t i n u o u s e		D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e	D i s c o n t i n u o u s e

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GW080942			23/03/2010	16/09/2013					T		DWR GWP	WICKS BUNNAN
GW080943											DWR GWP	ROACH WYBONG
GW080944			06/07/2006	21/08/2013					T		DWR GWP	ANSHWIN WYBONG
GW080945			04/07/2006	21/08/2013					T		DWR GWP	ROCKHALL 1
GW080946			04/07/2006	21/08/2013					T		DWR GWP	ROCKHALL 2
GW080947			05/07/2006	21/08/2013					T		DWR GWP	ROCKHALL 3
GW080948			04/07/2006	21/08/2013					T		DWR GWP	ROCKHALL 4
GW080949											DWR GWP	GIANTS CREEK
GW080950			23/02/2010	03/12/2013					T		DWR GWP	LONG BAERAMI
GW080954											DWR GWP	HOLMES QUORROBOLONG
GW080955											DWR GWP	PEATIE ROTHBURY
GW080956			05/04/2007	17/08/2012					T	22/08/2012	DWR GWP	BREE
GW080958			31/08/2007	28/05/2008					T		DWR GWP	DAVIS BRANXTON
GW080963			22/02/2010	04/12/2013					T		DWR GWP	NICHOLS WARKWORTH
GW080964			03/07/2006	17/08/2012					T	22/08/2012	DWR GWP	BULGA PARK
GW080965			03/07/2006	09/10/2013					T		DWR GWP	TANK
GW080967			30/06/2006	09/10/2013					T		DWR GWP	BROKE FIRE STATION
GW080969											DWR GWP	DELFORCE
GW080970											DWR GWP	INGLEWOOD 1
GW080971											DWR GWP	INGLEWOOD 2
GW080972			21/01/2008	04/12/2013					T		DWR GWP	HOPMANS
GW080974			16/02/2010	01/11/2013					T		DWR GWP	DUCKWORTH 1
GW080975											DWR GWP	DUCKWORTH 2 2
GW080976			27/10/2006	09/10/2013					T		DWR GWP	MILLER PARK
GW080978											DWR GWP	ALKIRA AVENUE
GW080979			14/08/2006	09/10/2013					T		DWR GWP	BADDELEY PARK
GW080980			29/06/2006	09/10/2013					T		DWR GWP	MILLFIELD HALL
GW081000			21/07/1999	12/01/2012					T		DWR GWP	DALWOOD SHALLOW
GW081001			21/07/1999	12/01/2012					T		DWR GWP	DLWOOD DEEP
GW081001_BAR				25/03/2011					T		DWR GWP	Alstonville Baro
GW081002			21/07/1999	07/05/2013					T		DWR GWP	DUCK CREEK DEEP
GW081003			21/07/1999	07/05/2013					T		DWR GWP	DUCK CREEK MEDIUM
GW081004			22/07/1999	04/07/2001						04/07/2001	DWR GWP	ALSTNVL CENTL SHALOW
GW081005			20/07/1999	16/10/2012					T		DWR GWP	MAGUIRES CREEK DEEP
GW081006			20/07/1999	16/10/2012					T		DWR GWP	MAGUIRES CK SHALLOW
GW081007_1			14/03/2000	12/09/2013							DWR GWP	HEATHER - SW CNR No1
GW081007_2			14/03/2000	12/09/2013							DWR GWP	HEATHER - SW CNR No2
GW081008			14/03/2000	11/09/2013					T C		DWR GWP	FIELDTREE - SOUTH

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GW081010			11/12/2001	12/09/2013								DWR GWP	ZYGALSKI-SW CORNER
GW081011			14/03/2000	12/09/2013								DWR GWP	TOLSON - SW CORNER
GW081012			11/12/2001	11/09/2013								DWR GWP	COUNCIL ROAD SOUTH
GW081013			11/12/2001	11/09/2013								DWR GWP	COUNCIL ROAD NORTH
GW081015			14/03/2000	11/09/2013								DWR GWP	WEST OF WETLAND
GW081016			14/03/2000	12/09/2013								DWR GWP	NORTHERN TWS BORE
GW081017			14/03/2000	12/09/2013								DWR GWP	MIDDLE TWS BORE
GW081019			14/03/2000	12/09/2013								DWR GWP	NELSON - SE CORNER
GW081023			06/04/2001	02/02/2004							01/01/2004	DWR DISC	
GW081024			14/10/2001	02/02/2004							01/01/2004	DWR DISC	mrgde22
GW081029			14/10/2001	02/02/2004							01/01/2004	DWR DISC	mrgde15
GW081030			19/12/2000	02/02/2004							01/01/2004	DWR DISC	mrgde14
GW081032			19/12/2000	02/02/2004							01/01/2004	DWR DISC	mrgde12
GW081033			06/04/2001	02/02/2004							02/02/2004	DWR DISC	mrgde11
GW081037			13/10/2001	01/02/2004							01/02/2004	DWR DISC	mrgde7
GW081039			31/07/2001	02/02/2003							02/02/2003	DWR DISC	mrgde5
GW081040			27/04/2003	02/02/2004							02/02/2004	DWR DISC	
GW081044			28/06/2007	29/03/2011						T		DWR GWP	Tuckean swamp Baro
GW081048			06/02/2002	05/06/2012						T		DWR GWP	ARTHURS SHALLOW
GW081049			06/02/2002	05/06/2012						T		DWR GWP	ARTHURS MEDIUM
GW081050			06/02/2002	05/06/2012						T		DWR GWP	ARTHURS DEEP
GW081059			06/02/2002	05/06/2012						T		DWR GWP	BERNEY NORTH DEEP
GW081060			06/02/2002	05/06/2012						T		DWR GWP	BERNEY NORTH SHALLOW
GW081063			06/02/2002	05/06/2012						T		DWR GWP	BERNEY SOUTH
GW081065			05/09/1999	01/02/2004						R		DWR	mrgw1
GW081066			24/04/2000	01/02/2004								DWR	mrgw2
GW081067			13/03/2010	11/09/2013						T C		DWR GWP	Tolson house east
GW081068			14/03/2010	11/09/2013						T C		DWR GWP	Tolson house west
GW081069			12/03/2010	12/09/2013						T C		DWR GWP	Fishermans trail eas
GW081069_BAR												DWR GWP	Fishermans trail eas
GW081070			13/03/2010	11/09/2013						T C		DWR GWP	Fishermans trail W
GW081071			14/03/2010	11/09/2013						T C		DWR GWP	Perrett Lane east
GW081072			14/03/2010	11/09/2013						T C		DWR GWP	Perrett Lane west
GW081074_01												DWR GWP	GWMA035 SWR081074 P1
GW081075_01			05/04/2010	11/09/2013						T		DWR GWP	GWMA035 SWR3 P1
GW081075_02			05/04/2010	11/09/2013						T		DWR GWP	GWMA035 SWR3 P2
GW081075_03			05/04/2010	11/09/2013						T		DWR GWP	GWMA035 SWR3 P3
GW081076_01			04/04/2010	11/09/2013						T		DWR GWP	GWMA035 SWR4 P1

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GW081076_02			04/04/2010	11/09/2013					T		DWR GWP	GWMA035 SWR4 P2
GW081081			06/03/2008	04/11/2013							DWR GWP	ADJACENT ARGENTS HIL
GW081082			06/03/2008	04/11/2013							DWR GWP	DYERS LOOP ROAD
GW081084_01											DWR GWP	GWMA035 SWR13 P1
GW081085_01			04/04/2010	11/09/2013					T		DWR GWP	GWMA035 SWR12 P1
GW081085_02			16/09/2010	11/09/2013					T		DWR GWP	GWMA035 SWR12 P2
GW081086_01											DWR GWP	GWMA035 SWR10 P1
GW081087_01											DWR GWP	GWMA035 SWR9 P1
GW081088_01											DWR GWP	GWMA035 SWR6A SHA P1
GW081089_01			03/04/2010	21/06/2012					T C		DWR GWP	GWMA035 SWR6B P1
GW081089_02			03/04/2010	11/09/2013					T C		DWR GWP	GWMA035 SWR6B P2
GW081090_01			01/04/2010	12/09/2013					T		DWR GWP	GWMA035 Ki5 P1
GW081091_01			15/09/2010	12/09/2013					T		DWR GWP	GWMA035 Ki6 P1
GW081091_02			15/09/2010	12/09/2013					T		DWR GWP	GWMA035 Ki6 P2
GW081092_01			15/09/2010	11/04/2013					T C		DWR GWP	GWMA035 HH4 P1
GW081092_02			15/09/2010	12/09/2013					T		DWR GWP	GWMA035 HH4 P2
GW081092_03			15/09/2010	12/09/2013					T C		GWP	GWMA035 HH4 P3
GW081093_01			03/04/2010	12/09/2013					T		DWR GWP	GWMA035 Ki4 P1
GW081093_02			15/09/2010	12/09/2013					T C		DWR GWP	GWMA035 Ki4 P2
GW081094_01											DWR GWP	GWMA035 Ki1 P1
GW081096_01			15/09/2010	10/09/2013					T		DWR GWP	GWMA035 Ki6C P1
GW081096_02			15/09/2010	09/04/2013					T		DWR GWP	GWMA035 Ki6C P2
GW081098_01											DWR GWP	GWMA035 M5 P1
GW081100_01			15/09/2010	10/09/2013					T		DWR GWP	GWMA035 M3 P1
GW081100_02			15/09/2010	10/09/2013					T		DWR GWP	GWMA035 M3 P2
GW081101_01			14/09/2010	10/09/2013					T C		DWR GWP	GWMA035 M4a P1
GW081101_02			01/04/2010	10/09/2013					T		DWR GWP	GWMA035 M4a P2
GW081101_03			15/09/2010	10/09/2013					T		DWR GWP	GWMA035 M4a P3
GW081102_01											DWR GWP	GWMA035 M4b P1
GW081104_01											DWR GWP	GWMA035 Ki1 P1
GW081105			15/09/2010	12/09/2013					T		DWR GWP	HAT HEAD ROAD
GW081107			16/09/2010	11/09/2013					T C		DWR GWP	GWMA035 SWR081107
GW084527_01			04/08/2008	30/06/2010						30/06/2010	DWR DISC	LB 25
GW084554_01			08/08/2008	30/06/2010						30/06/2010	DWR DISC	LB 52
GW084555_01			02/09/2008	30/06/2010						30/06/2010	DWR DISC	LB 53
GW084556_01			19/08/2008	30/06/2010						30/06/2010	DWR DISC	LB 54
GW087087B			21/05/1997	10/07/2013							DWR	EUSTON
GW087091B			16/12/1997	10/07/2013							DWR	EUSTON

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GW087095B			16/12/1997	10/07/2013								DWR	EUSTON
GW087098B			16/12/1997	10/07/2013								DWR	EUSTON
GW087099B			16/12/1997	10/07/2013								DWR	EUSTON
GW087107B			16/12/1997	10/07/2013								DWR	MEILMAN
GW087108B			16/12/1997	10/07/2013								DWR	MEILMAN
GW087112B			16/12/1997	10/07/2013								DWR	MEILMAN
GW087113B			16/12/1997	10/07/2013								DWR	MEILMAN
GW087114B			16/12/1997	10/07/2013								DWR	MEILMAN
GW087222A			10/05/2001	09/07/2001								DWR	WEIR POOL @ MDA
GW087222B				09/07/2001								DWR	WEIR POOL @ MDA
GW087230B			24/06/1998	01/08/2013								DWR	MALLEE CLIFFS
GW087231A			24/06/1998	01/08/2013								DWR	MALLEE CLIFFS
GW087231B				01/08/2013								DWR	MALLEE CLIFFS
GW087233B			02/01/2008	31/07/2013								DWR PJI	MALLEE CLIFFS
GW087235B			28/12/2007	01/08/2013								DWR PJI	MALLEE CLIFFS
GW087236A			24/06/1998	01/08/2013								DWR	MALLEE CLIFFS
GW087236B				01/08/2013								DWR	MALLEE CLIFFS
GW087251A			20/12/2007	30/07/2013								DWR PJI	MALLEE CLIFFS
GW087252A			31/12/2007	01/08/2013								DWR PJI	MALLEE CLIFFS
GW087257A			02/01/2008	31/07/2013								DWR PJI	MALLEE CLIFFS
GW087272B			11/05/2001	09/07/2001							09/07/2001	DWR	WEIR POOL @ MDA
GW087285A			11/05/2001	10/07/2001							10/07/2001	DWR	WEIR POOL @ MDA
GW087343B			12/05/2001	24/06/2013							10/07/2001	DWR	WEIR POOL @ MDA
GW087345A			09/05/2001	09/07/2001							09/07/2001	DWR	WEIR POOL @ MDA
GW087345B				09/07/2001							09/07/2001	DWR	WEIR POOL @ MDA
GW087522A			07/05/2001	09/07/2001							09/07/2001	DWR	WEIR POOL @ MDA
GW087580A			10/04/1999	22/11/2001							22/11/2001	DWR	NOOLA @ LK VIC
GW087581A			10/04/1999	05/11/2013								DWR	NOOLA @ LK VIC
GW087582A			10/04/1999	05/11/2013								DWR	NOOLA @ LK VIC
GW087696A			17/06/1998	29/07/2013								DWR	MALLEE CLIFFS
GW087696B				29/07/2013								DWR	MALLEE CLIFFS
GW087727A			10/04/1999	26/04/2002							01/10/2002	DWR	MOORNA @ LK VIC
GW087727B				31/10/2013								DWR	MOORNA @ LK VIC
GW087729A			09/04/1999	07/11/2013								DWR	TALGARRY @ LK VIC
GW087729B				07/11/2013								DWR	TALGARRY @ LK VIC
GW087732B			17/06/1998	29/07/2013								DWR	MALLEE CLIFFS
GW087735A											12/08/1999	DWR WQR	Mallee Cliffs
GW087735B											12/08/1999	DWR WQR	Mallee Cliffs

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	Start	End	Start	End	First Starts	Last Starts	Last	of	of	a t t o u i x	n m n r p n m y	d b h d d g	d b h d d g	d b h d d g			
GW087736B			17/06/1998	29/07/2013												DWR	MALLEE CLIFFS
GW087747A			17/12/1995	07/11/2013												DWR	TALGARRY @ LK VIC
GW087747B				07/11/2013												DWR	TALGARRY @ LK VIC
GW087748A			09/04/1999	07/11/2013												DWR	TALGARRY @ LK VIC
GW087748B				07/11/2013												DWR	TALGARRY @ LK VIC
GW087749A			09/04/1999	07/11/2013												DWR	TALGARRY @ LK VIC
GW087754A			28/11/2001	16/10/2002										16/10/2002		DWR	NULLA @ LK VIC
GW087754B				06/11/2013												DWR	NULLA @ LK VIC
GW087755A			17/12/1995	17/10/2002										17/10/2002		DWR	NULLA @ LK VIC
GW087755B				07/11/2013												DWR	NULLA @ LK VIC
GW087756A			17/12/1995	29/04/2002										10/10/2003		DWR	NULLA @ LK VIC
GW087756B				06/11/2013												DWR	NULLA @ LK VIC
GW087757A			22/08/1995	01/07/2004										01/07/2004		DWR	BASIN @ M/CLIFFS
GW087760A			23/08/1995	01/07/2004										01/07/2004		DWR	M/CLIFFS
GW087786A			05/10/1997	20/04/2005										20/04/2005		DWR	APPIN @ MENINDEE
GW087787A			13/04/1999	07/04/2009												DWR	WINDALLE @ MENINDEE
GW087788A			03/10/1997	29/11/2012												DWR	MAIN WEIR @ MENINDEE
GW087788B				29/11/2012												DWR	MAIN WEIR @ MENINDEE
GW087789A			13/04/1999	03/04/2008												DWR	WINDALLE @ MENINDEE
GW087790A			14/04/1999	28/11/2012												DWR	LK BIJIJIE @ MENINDE
GW087790B				13/12/2011												DWR	LK BIJIJIE @ MENINDE
GW087790C				28/11/2012												DWR	LK BIJIJIE @ MENINDE
GW087791A			06/10/1997	28/11/2012												DWR	LK BIJIJIE @ MENINDE
GW087791B				28/11/2012												DWR	LK BIJIJIE @ MENINDE
GW087792A			06/10/1997	28/11/2012												DWR	LK TANDURE @ MENINDE
GW087792B				28/11/2012												DWR	LK TANDURE @ MENINDE
GW087793A			05/10/1997	21/04/2005										21/04/2005		DWR	WINDALLE @ MENINDEE
GW087793B				21/04/2005										21/04/2005		DWR	WINDALLE @ MENINDEE
GW087794A			12/04/1999	05/02/2012												DWR	WINDALLE @ MENINDEE
GW087794B				30/05/2012												DWR	WINDALLE @ MENINDEE
GW087795A			12/04/1999	21/04/2005										21/04/2005		DWR	WINDALLE @ MENINDEE
GW087795B				21/04/2005										21/04/2005		DWR	WINDALLE @ MENINDEE
GW087796A			13/04/1999	29/11/2012												DWR	VIEWMONT @ MENINDEE
GW087796B				15/12/2011												DWR	VIEWMONT @ MENINDEE
GW087797A			19/02/2000	08/10/2004										21/04/2005		DWR	WINDALLE @ MENINDEE
GW087798A			12/04/1999	21/04/2005										21/04/2005		DWR	WINDALLE @ MENINDEE
GW087798B				21/04/2005										21/04/2005		DWR	WINDALLE @ MENINDEE
GW087799A			18/02/2000	21/04/2005										21/04/2005		DWR	MENINDEE @ APPIN

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	Start	End	Start	End	First Starts	Last Starts	Last	of	of	a t t o u i u x	n m y	p p d b h d d g	n p p d b h d d g	n p p d b h d d g			
GW087800A			06/10/1997	06/04/2010												DWR	MENINDEE FRUITS
GW087801A			07/10/1997	27/11/2012												DWR	LK PAMAM @ MENINDEE
GW087801B				27/11/2012												DWR	LK PAMAM @ MENINDEE
GW087802A			03/10/1997	21/04/2005							21/04/2005					DWR	MENINDEE @ COMMON
GW087802B				21/04/2005							21/04/2005					DWR	MENINDEE @ COMMON
GW087803A			03/10/1997	21/04/2005							21/04/2005					DWR	MENINDEE @ COMMON
GW087803B				21/04/2005							21/04/2005					DWR	MENINDEE @ COMMON
GW087804A			06/10/1997	28/11/2012												DWR	LK PAMAM @ MENINDEE
GW087804B				28/11/2012												DWR	LK PAMAM @ MENINDEE
GW087805A			19/08/2003	27/11/2012												DWR	Weir @ Menindee
GW087805B				27/11/2012												DWR	Weir @ Menindee
GW087806A			03/10/1997	29/11/2012												DWR	APPIN @ MENINDEE
GW087806B				29/11/2012												DWR	APPIN @ MENINDEE
GW087807A			15/04/1999	14/03/2006												DWR	TANDOU @ MENINDEE
GW087808A			15/04/1999	14/03/2006												DWR	TANDOU @ MENINDEE
GW087820A			13/11/2002	03/06/2013												DWR	BORE @ LOCK ISLE
GW088112A			10/10/2011	01/08/2013												DWR	Mallee Cliffs
GW088117A			22/06/1999	22/06/2013												DWR	88117@LkVic
GW088118A			22/06/1999	22/06/2013												DWR	88118@LkVic
GW088119A			22/06/1999	24/06/2013												DWR	88119@LkVic
GW088120A			22/06/1999	24/06/2013												DWR	88120@LkVic
GW088121A			22/06/1999	24/06/2013												DWR	88121@LkVic
GW088122A			22/06/1999	24/06/2013												DWR	88122@LkVic
GW088123A			24/06/1999	22/06/2013												DWR	88123@LkVic
GW088124A			24/06/1999	22/06/2013												DWR	88124@LkVic
GW088125A			06/07/1999	24/06/2013												DWR	88125@LkVic
GW088126A			06/07/1999	24/06/2013												DWR	88126@LkVic
GW088127A			06/07/1999	24/06/2013												DWR	88127@LkVic
GW088128A			06/07/1999	24/06/2013												DWR	88128@LkVic
GW088129A			16/07/1999	24/06/2013												DWR	88129@LkVic
GW088130A			16/07/1999	24/06/2013												DWR	88130@LkVic
GW088174A			20/12/2007	01/08/2013												DWR	PJI MALLEE CLIFFS
GW088175A			13/10/2006	01/08/2013												DWR	88175 on flood plain
GW088176A			13/10/2006	01/08/2013												DWR	88176 on floodplain
GW088177A			20/12/2007	01/08/2013												DWR	PJI MALLEE CLIFFS
GW088179A			31/12/2007	01/08/2013												DWR	PJI MALLEE CLIFFS
GW088181A			31/12/2007	01/08/2013												DWR	PJI MALLEE CLIFFS
GW088185A			31/12/2007	01/08/2013												DWR	PJI MALLEE CLIFFS

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i m m n r p n m y n p p d b H d d g	x	D	H	D		Code	Class	
GW088187A			31/12/2007	01/08/2013												DWR	PJI	MALLEE CLIFFS
GW088191A			31/12/2007	01/08/2013												DWR	PJI	MALLEE CLIFFS
GW088212_01																DWR		GW088212_01
GW088214_01																DWR		GW088214_01
GW088216A			22/11/2001	06/11/2013												DWR		NOOLA @ LK VIC
GW088217A			19/11/2001	05/11/2013												DWR		KULKURNA @ LK VIC
GW088218A			15/11/2001	31/10/2013												DWR		MOORNA @ LK VIC.
GW088218B				31/10/2013												DWR		MOORNA @ LK VIC.
GW088219A			15/11/2001	31/10/2013												DWR		MOORNA @ LK VIC
GW088220A			15/11/2001	01/11/2013												DWR		MOORNA @ LK VIC
GW088220B				01/11/2013												DWR		MOORNA @ LK VIC
GW088221A			21/11/2001	04/11/2013												DWR		LK VIC
GW088221B				04/11/2013												DWR		LK VIC
GW088222A			22/11/2001	04/11/2013												DWR		LK VIC
GW088223A			21/11/2001	04/11/2013												DWR		LK VIC
GW088223B				04/11/2013												DWR		LK VIC
GW088225A			21/11/2001	04/11/2013												DWR		LK VIC
GW088246A			06/02/2004	17/03/2005										16/03/2005		DWR		GW88246@TulPoint
GW088248A			09/02/2004	05/03/2013												DWR		GW088248@OldBurt
GW088250A			06/02/2004	06/12/2004										17/03/2005		DWR		GW088250@TulPoint
GW088251A			09/02/2004	05/03/2013												DWR		GW088251@OldBurt.
GW088265A			10/05/2004	08/07/2013												DWR	GWP	88265 @ Dtn
GW088265B				08/07/2013												DWR	GWP	88265 @ Dtn
GW088266A			14/05/2004	08/07/2013												DWR	GWP	88266 @ Dtn
GW088266B				08/07/2013												DWR	GWP	88266 @ Dtn
GW088267A			14/05/2004	08/07/2013												DWR	GWP	88267 @ Dtn
GW088267B				08/07/2013												DWR	GWP	88267 @ Dtn
GW088273A			27/10/2004	19/07/2013												DWR	GWP	88273 @ Neilpo
GW088273B				19/07/2013												DWR	GWP	88273 @ Neilpo
GW088274A			27/10/2004	19/07/2013												DWR		88274 @ Neilpo
GW088275A			27/10/2004	19/07/2013												DWR		88275 @ Neilpo
GW088276A			27/10/2004	19/07/2013												DWR		88276 @ Neilpo
GW088277A			27/10/2004	19/07/2013												DWR		88277 @ Neilpo
GW088278A			27/10/2004	19/07/2013												DWR		88278 @ Neilpo
GW088279A			28/10/2004	19/07/2013												DWR		88279 @ Warrananga
GW088280A			28/10/2004	19/07/2013												DWR		88280 @ Warrananga
GW088280B				19/07/2013												DWR		88280 @ Warrananga
GW088282A			28/10/2004	19/07/2013												DWR		88282 @ Warrananga

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GW088283A			28/10/2004	19/07/2013								DWR	88283 @ Warrananga
GW088326_01			15/11/2011	29/08/2012						T		DWR	GW088326_01 Glenvila
GW088327_01			09/05/2012	06/03/2013						T		DWR	GW088327_01 Glenvila
GW088328_01			09/05/2012	23/07/2012						T		DWR	GW088328_01 Glenvila
GW088329_01			15/11/2011	06/03/2013						T		DWR	GW088329_01 Glenvila
GW088330_01			15/11/2011	06/03/2013						T		DWR	GW088330_01 Glenvila
GW088331_01			15/11/2011	28/12/2012						T		DWR	GW088331_01 Glenvila
GW088332_01			15/11/2011	06/03/2013						T		DWR	GW088332_01 Glenvila
GW088333_01			15/11/2011	06/03/2013						T		DWR	GW088333_01 Glenvila
GW088334_01			15/11/2011	06/03/2013						T		DWR	GW088334_01 Glenvila
GW088335_01			15/11/2011	29/08/2012						T		DWR	GW088335_01 Glenvila
GW088336_01			15/11/2011	06/03/2013						T		DWR	GW088336_01 Glenvila
GW088337_01			15/11/2011	23/07/2012						T		DWR	GW088337_01 Glenvila
GW088338A			25/06/2013	05/11/2013								DWR GWP	Kulcurna @ Lk Vic.
GW088339A			25/06/2013	05/11/2013								DWR GWP	Kulcurna @ Lk Vic
GW088340A			25/06/2013	05/11/2013								DWR GWP	Kulcurna @ Lk Vic.
GW088341A			25/06/2013	05/11/2013								DWR GWP	Kulcurna @ Lk Vic.
GW088342A			25/06/2013	05/11/2013								DWR GWP	Kulcurna @ Lk Vic.
GW088343A			25/06/2013	05/11/2013								DWR GWP	Tareena @ Lk Vic.
GW088344A			25/06/2013	05/11/2013								DWR GWP	Tareena @ Lk Vic.
GW088345A			25/06/2013	05/11/2013								DWR GWP	Tareena @ Lk Vic.
GW088452A			23/02/2000	04/11/2013								DWR	LK VIC
GW088453A			10/07/2000	31/10/2013								DWR	MOORNA
GW088454A			12/07/2000	06/11/2013								DWR	LK VIC
GW088454B				06/11/2013								DWR	LK VIC
GW088455A			13/07/2000	06/11/2013								DWR	LK VIC
GW088456A			10/07/2000	05/11/2013								DWR	NAMPOO @ LK VIC
GW088456B				05/11/2013								DWR	NAMPOO @ LK VIC
GW088461A			07/05/2001	09/07/2001							09/07/2001	DWR	WEIR POOL STUDY @ MD
GW088461B				09/07/2001							09/07/2001	DWR	WEIR POOL STUDY @ MD
GW088462A			09/05/2001	24/06/2013								DWR	WEIR POOL STUDY @ MD
GW088462B				24/06/2013								DWR GWP	WEIR POOL STUDY @ MD
GW088464A			03/11/2002	24/06/2013								DWR	88464 @ BURONGA
GW088464B				24/06/2013								DWR	88464 @ BURONGA
GW088464C				24/06/2013								DWR	88464 @ BURONGA
GW088465A			01/11/2002	03/06/2013								DWR	88465 @ MDA TENNIS
GW088465B				03/06/2013								DWR	88465 @ MDA TENNIS
GW088465C				03/06/2013								DWR	88465 @ MDA TENNIS

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GW088466A			01/11/2002	24/06/2013								DWR	88466 @ BURONGA
GW088466B				24/06/2013								DWR	88466 @ BURONGA
GW088466C				24/06/2013								DWR	88466 @ BURONGA
GW088467A			02/11/2002	03/06/2013								DWR	88467 @ NATIVE NURSY
GW088467B				03/06/2013								DWR	88467 @ NATIVE NURSY
GW088467C				03/06/2013								DWR	88467 @ NATIVE NURSY
GW088468A			02/11/2002	03/06/2013								DWR	88468 @ OLD HMSTD
GW088468B				03/06/2013								DWR	88468 @ OLD HMSTD
GW088468C				03/06/2013								DWR	88468 @ OLD HMSTD
GW088482A			13/03/2007	08/07/2013								DWR GWP	88482 @ Dtn
GW088500A			18/09/2007	13/11/2013								DWR UNCL	Site 90
GW088518A			16/10/1999	18/10/2001								DWR	Site 37
GW088519A			16/10/1999	06/02/2008								DWR	Site 38
GW088520A			16/10/1999	08/12/2004								DWR	Site 39
GW088521A			16/10/1999	14/11/2006								DWR	Site 40
GW088522A			17/10/1999	26/02/2004								DWR	Site 41
GW088523A			17/10/1999	13/11/2013								DWR	Site 42
GW088524A			17/10/1999	13/11/2013								DWR	Site 43
GW088525A			17/10/1999	13/11/2013								DWR	Site 44
GW088526												DWR	SHEPPARTON
GW088526A			17/10/1999	16/05/2007								DWR	Site 45
GW088527A			17/10/1999	27/08/2007								DWR	Site 46
GW088535A			23/05/2001	13/11/2013								DWR	Site 47
GW088535B				10/09/2003								DWR	Site 48
GW088535C				11/12/2006								DWR	Site 49
GW088536A			22/05/2001	20/02/2007								DWR	Site 50
GW088536B				20/02/2007								DWR	Site 51
GW088536C				11/12/2006								DWR	Site 52
GW088537A			24/05/2001	16/11/2006								DWR	Site 53
GW088537B				13/11/2013								DWR	Site 54
GW088537C				13/11/2013								DWR	Site 55
GW088538A			29/05/2001	16/11/2006								DWR	Site 56
GW088538B				12/12/2006								DWR	Site 57
GW088538C				21/02/2007								DWR	Site 58
GW088539A			28/05/2001	13/11/2013								DWR	Site 59
GW088539B				13/11/2013								DWR	Site 60
GW088539C				13/11/2013								DWR	Site 61

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O										Discont. Date	Org. Net		NAME																																																																																																																																																																																																			
	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug	a t t o u i u x i m m n r p n m y p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g		n p p d b h d d g	n p p d b h d d g		n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g	n p p d b h d d g

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug			R A W C T a t t o u i m m n r p n m y	W H O D i s c o n t . Date	Org. Net Code Class	NAME
GW090055			27/06/2007	19/09/2013								DWR PJI	CUMBUNG BORE
GW090056												DWR CH	WOODCUTTERS
GW090085_01			11/11/2004	12/11/2013								DWR GWP	KIDMAN & Mitchell P1
GW090085_03			11/11/2004	12/11/2013								DWR GWP	KIDMAN & Mitchell P3
GW090085_04			11/11/2004	12/11/2013								DWR GWP	KIDMAN & Mitchell P4
GW090097			14/07/2008	02/11/2011							02/11/2011	DWR DISC	BELUBULAGW @ BELLS
GW090098			14/07/2008	18/11/2010							09/02/2011	DWR DISC	BELUBULAGW @ NEEDLES
\$GW090100_01			02/08/2011	03/09/2013								DWR	BELUBLA BORE CWNDRA3
\$GW090101_01			28/07/2011	03/09/2013								DWR	BELUBLA BORE CWNDRA2
GW093032			11/12/2002	06/05/2004							06/05/2004	DWR GWP	
GW093035			11/12/2002	06/05/2004							06/05/2004	DWR GWP	
GW093036			18/02/2005	01/07/2008					T			DWR GWP	GW093036 Kootingal
GW093037			18/02/2005	01/07/2008					T			DWR GWP	GW093037 Kootingal
GW093038			11/12/2002	06/05/2004							06/05/2004	DWR GWP	
GW093040			11/12/2002	02/07/2008					T			DWR GWP	GW093040 Kootingal
GW093053			11/03/2009	25/03/2010					T		25/03/2010	DWR DISC	Brageen Crossing
GW093054			11/03/2009	25/03/2010					T		25/03/2010	DWR DISC	Brageen Crossing
GW093055			11/03/2009	25/03/2010					T T		25/03/2010	DWR DISC	Brageen Crossing
GW093056			11/03/2009	24/03/2010					T		25/03/2010	DWR DISC	Yarraman
GW093057			11/03/2009	24/03/2010					T		25/03/2010	DWR DISC	Yarraman
GW093058			11/03/2009	24/03/2010					T T		25/03/2010	DWR DISC	Yarraman
GW093060			30/04/2009	24/03/2010					T		24/03/2010	DWR DISC	Texas
GW093061			30/04/2009	24/03/2010					T		24/03/2010	DWR DISC	Texas
GW093062			30/04/2009	24/03/2010					T T		24/03/2010	DWR DISC	Texas
GW093063			30/04/2009	24/03/2010					T		24/03/2010	DWR DISC	DS Texas
GW093064			30/04/2009	24/03/2010					T		24/03/2010	DWR DISC	DS Texas
GW093065			30/04/2009	24/03/2010					T T		24/03/2010	DWR DISC	DS Texas
GW093552												DWR	Site1
GW093553												DWR	Site 2
GW093554												DWR	Site 7
GW093555												DWR	Site 6
GW093556												DWR	Site 5
GW093557												DWR	Site 4
GW093558												DWR	Site 3
GW093559			28/03/2008	21/10/2008					T		21/10/2008	DWR PJI	Ballantines Bore
GW096000			06/04/2006	17/07/2013								DWR GWP	WATERLOO (NTH)
GW096003_01			12/10/2009	17/07/2013								DWR	Backwater Rd P1
GW096078			12/02/2009	19/03/2010					T			DWR GWP	Woodlands

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O										Discont. Date	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	n p p	d b	H	d	d	g					Code	Class	
GW096078_01			12/02/2009	18/07/2013						T											DWR	GWP	Woodlands
GW096078_02			12/02/2009	18/07/2013						T											DWR	GWP	Woodlands
GW096079			12/02/2009	19/03/2010						T	T										DWR	GWP	Woodlands
GW096079_01			12/02/2009	18/07/2013						T	T										DWR	GWP	Woodlands
GW096079_02			12/02/2009	18/07/2013						T	T										DWR	GWP	Woodlands
GW096080_02			10/08/2010	18/07/2013																	DWR		Woodlands Stn P2
\$GW096084			05/11/2002	28/08/2013																	DWR	GWP	Rocky Water Hole Nth
GW096085			12/11/2002	27/08/2013																	DWR	GWP	Rocky Water Hole Sth
\$GW096087			13/03/2003	28/08/2013																	DWR	GWP	Wilbertree Rd
GW096101			20/12/2001	11/09/2002																	DWR		GW096101 BOURKE
GW096102			20/12/2001	29/11/2007						T											DWR		GW096102 WARRAWEENA
GW096103			20/12/2001	18/04/2002																	DWR		GW096103 BOURKE
GW096104			20/12/2001	17/04/2002																	DWR		GW096104 BOURKE
GW096105			20/12/2001	27/11/2008						T	C										DWR		GW096105 BOURKE
GW096106			20/12/2001	28/02/2008						T											DWR		GW096106 WARAWAENA
GW096107			20/12/2001	18/04/2002																	DWR		GW096107 BOURKE
GW096108			20/12/2001	18/04/2002																	DWR		GW096108 BOURKE
GW096109			20/12/2001	18/04/2002																	DWR	GWP	GW096109 Bourke
GW096110			20/12/2001	18/04/2002																	DWR		GW096110 MT OXLEY
GW096111			20/12/2001	18/04/2002																	DWR		GW096111 MT OXLEY
GW096112			18/12/2001	27/11/2008						T	C										DWR		GW096112 BOURKE
GW096113			20/12/2001	27/11/2008						T	C										DWR		GW096113 BOURKE
GW096114			20/12/2001	27/11/2008						T											DWR		GW096114 BOURKE
GW096115			20/12/2001	01/09/2008						T											DWR		GW096115 BOURKE
GW096116			20/12/2001	17/04/2002																	DWR		GW096116 BOURKE
GW096134_01			16/12/2003	30/10/2013						T											DWR	GWP	Glenvilla Nth Pipe 1
GW096134_02			16/12/2003	30/10/2013						T											DWR	GWP	Glenvilla Nth Pipe 2
GW096135_01			18/12/2003	30/10/2013						T											DWR	GWP	Glenvilla Sth Pipe 1
GW096135_02			18/12/2003	30/10/2013						T											DWR	GWP	Glenvilla Sth Pipe 2
GW096135_03			18/12/2003	30/10/2013						T											DWR	GWP	Glenvilla Sth Pipe 3
GW096135_04			18/12/2003	30/10/2013						T											DWR	GWP	Glenvilla Sth Pipe 4
GW096136_01			18/12/2003	30/10/2013						T											DWR	GWP	Glenvilla SIS Pipe 1
GW096136_02			18/12/2003	30/10/2013						T											DWR	GWP	Glenvilla SIS Pipe 2
GW096136_03			18/12/2003	30/10/2013						T											DWR	GWP	Glenvilla SIS Pipe 3
GW096137_01			18/12/2003	30/10/2013						T											DWR	GWP	Duck Egg Tank Pipe 1
GW096137_02			18/12/2003	30/10/2013						T											DWR	GWP	Duck Egg Tank Pipe 2
GW096137_03			18/12/2003	30/10/2013						T											DWR	GWP	Duck Egg Tank Pipe 3
GW096138_02			07/08/2009	17/07/2013																	DWR		Newhaven Pipe 2

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O					Discont. Date	Org. Net Code Class	NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i x	m m n r p n m y	d b h d d g					
GW096138_03			07/08/2009	17/07/2013												DWR	Newhaven Pipe 3
GW096141_01			30/10/2009	17/07/2013												DWR	Woodside Stn Pipe 1
GW096144			01/06/2006	12/10/2009												DWR	Narwonah Rd
GW096144_01			01/06/2006	17/07/2013												DWR	Narwonah Rd Pipe 1
GW096144_02			06/06/2006	17/07/2013												DWR	Narwonah Rd Pipe 2
GW096147_01			06/08/2009	17/07/2013												DWR	Farrendale Pipe 1
GW096147_02			06/08/2009	17/07/2013												DWR	Farrendale Pipe 2
GW098008																GWP	BROCKLEHURST
GW098010																GWP	OXLEY NEWELL
GW098011																GWP	PILLIGA
GW098012																GWP	Kentucky Lane
GW098014																GWP	YETMAN
GW098015																GWP	BRUXNER/BLUE NOBBY
GW098203_01			19/06/2009	30/10/2013												DWR	Up Darling GW098203
GW098205_01			26/08/2010	30/10/2013												DWR	Up Darling GW098205
GW098206			26/03/2009	26/04/2012							T			18/05/2012		DWR	Galatheria
GW098206_01			26/03/2009	12/11/2013							T					DWR	GalatheriaGW98206_01
GW098206_02			26/03/2009	12/11/2013							T					DWR	GalatheriaGW98206_02
GW098207			26/03/2009	26/04/2012							T	T		18/05/2012		DWR	Galatheria
GW098207_01			26/03/2009	12/11/2013							T	T				DWR	GalatheriaGW98207_01
GW098207_02			26/03/2009	12/11/2013							T	T				DWR	GalatheriaGW98207_02
GW098208			27/03/2009	19/04/2012							T			18/05/2012		DWR	Yarral East
GW098208_01			27/03/2009	12/11/2013							T					DWR	YarralEastGW98208_01
GW098208_02			27/03/2009	12/11/2013							T					DWR	YarralEastGW98208_02
GW098209			27/03/2009	19/04/2012							T			18/05/2012		DWR	Yarral East
GW098209_01			27/03/2009	12/11/2013							T					DWR	YarralEastGW98209_01
GW098209_02			27/03/2009	12/11/2013							T					DWR	YarralEastGW98209_02
GW098210			27/03/2009	19/04/2012							T	T		18/05/2012		DWR	Yarral East
GW098210_01			27/03/2009	12/11/2013							T	T				DWR	YarralEastGW98210_01
GW098210_02			27/03/2009	12/11/2013							T	T				DWR	YarralEastGW98210_02
GW098211			26/03/2009	26/04/2012							T			18/05/2012		DWR	Galatheria
GW098211_01			26/03/2009	12/11/2013							T					DWR	GalatheriaGW98211_01
GW098211_02			26/03/2009	12/11/2013							T					DWR	GalatheriaGW98211_02
GW271002			03/01/2007	14/08/2013							T	C				DWR	Sylvania Park
GW271003			19/12/2006	15/08/2013							T					DWR	Helvetia
GW271004			23/08/2007	25/08/2013							T					DWR	Torrie Lodge
GW271005			30/05/2007	13/11/2013							T	C				DWR	Widden Stud
GW271006			19/12/2006	14/08/2013							T					DWR	Talooby Stud

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O					Discont. Date	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug	a t t o u i x	n m n r p n m y	d b h d d g	Code	Class				
GW271007_1			16/03/2010	06/09/2013						T					DWR	GWP	WESTYS	
GW271007_2			16/03/2010	06/09/2013						T					DWR	GWP	WESTYS	
GW271007_3			16/03/2010	06/09/2013						T					DWR	GWP	WESTYS	
GW271008_1			18/03/2010	29/08/2013						T					DWR	GWP	Peats Ridge School	
GW271008_2			18/03/2010	29/08/2013						T					DWR	GWP	Peats Ridge School	
GW271009_1			18/03/2010	13/08/2013						T					DWR	GWP	Mangro Mt Childcare	
GW271009_2			18/03/2010	13/08/2013						T					DWR	GWP	Mangro Mt Childcare	
GW271009_3			18/03/2010	15/08/2013						T			15/08/2013		DWR	GWP	Mangro Mt Childcare	
GW271010			19/03/2008	02/09/2013						T					DWR	GWP	MIDDLE OURIMBAH	
GW271011			19/03/2008	02/09/2013						T					DWR	GWP	LOWER OURIMBAH	
GW271012_1			28/03/2008	02/09/2013						T					DWR	GWP	SPRINGS ROAD 1	
GW271012_2															DWR	GWP	SPRINGS ROAD 2	
GW271012_3															DWR	GWP	SPRINGS ROAD 3	
GW271013			11/03/2010	10/10/2013						T					DWR	GWP	WALKER 1	
GW271014			11/03/2010	10/10/2013						T					DWR	GWP	WALKER 2	
GW271015			22/03/2010	10/10/2013						T					DWR	GWP	CARRIGAN 1	
GW271016			22/03/2010	10/10/2013						T					DWR	GWP	CARRIGAN 2	
GW271017			25/03/2010	16/09/2013						T					DWR	GWP	GORMAN GUNGAL	
GW271018			23/03/2010	16/09/2013						T					DWR	GWP	TULLATULA	
GW271019			19/03/2010	04/12/2013						T					DWR	GWP	HENDERSON 1	
GW271020			19/03/2010	04/12/2013						T					DWR	GWP	HENDERSON 2	
GW271021			25/02/2010	10/09/2013						T					DWR	GWP	JOHNSON SEGENHOE	
GW271022			25/02/2010	10/09/2013						T					DWR	GWP	ARROWFIELD STUD	
GW271024			22/02/2010	09/10/2013						T					DWR	GWP	HAGGERTYS LANE	
GW271025															DWR	GWP	LONG POINT 1	
GW271026			22/02/2010	04/12/2013						T					DWR	GWP	LONG POINT 2	
GW271027			25/02/2010	10/09/2013						T C					DWR	GWP	FLAHERTY SCONE	
GW271028			11/02/2010	06/12/2013						T					DWR	GWP	GOSFORTH QUARRY 1	
GW271029			11/09/2012	27/08/2013						T					DWR	GWP	GOSFORTH QUARRY 2	
GW271030			12/02/2010	01/11/2013						T					DWR	GWP	DAVIES CONGEWOI	
GW271031			12/02/2010	15/11/2013						T					DWR	GWP	bowmans crossing	
GW271032			23/02/2010	15/11/2013						T					DWR	GWP	martindale	
GW271033															DWR	GWP	woodlands	
GW271034															DWR	GWP	mayland	
GW271035			26/02/2010	03/12/2013						T					DWR	GWP	Neverfail	
GW271036			26/02/2010	03/12/2013						T					DWR	GWP	810 Baerami Ck Rd	
GW271037			21/04/2010	15/08/2013						T					DWR	GWP	wallings bylong	
GW271038			21/04/2010	15/08/2013						T					DWR	GWP	thorn bylong	

Station Number	FLOWS Start End		HEIGHTS Start End		RATINGS First Starts Last Starts		No. No. Last of of Tab Tabs Gaug		R A W C T a t t o u i m m n r p n m y	W H O x Discont. Date	Org. Net Code Class	NAME
GW273001_01			27/08/2009	20/06/2013							DWR GWP	WOODVALE ROAD
GW273002_01			09/09/2009	22/08/2013							DWR GWP	TONGABOO
GW273024											GWP	MEROE
GW273033			10/07/2008	22/10/2008					T C	22/10/2008	DWR PJI	Treloars Bore
GW273046			18/02/2009	18/03/2010					T T	18/03/2010	DWR DISC	Lanes Bridge stn
GW273046_01			18/02/2009	13/08/2013					T T		DWR GWP	Lanes Bridge WEST P1
GW273046_02			18/02/2009	13/08/2013					T T		DWR GWP	Lanes Bridge WEST P2
GW273047			18/02/2009	18/03/2010					T	18/03/2010	DWR DISC	Lanes Bridge stn
GW273047_01			18/02/2009	13/08/2013					T		DWR GWP	Lanes Bridge MID P1
GW273047_02			18/02/2009	13/08/2013					T		DWR GWP	Lanes Bridge MID P2
GW273048			18/02/2009	18/03/2010					T	18/03/2010	DWR DISC	Lanes Bridge stn
GW273048_01			18/02/2009	13/08/2013					T		DWR GWP	Lanes Bridge EAST P1
GW273048_02			18/02/2009	13/08/2013					T		DWR GWP	Lanes Bridge EAST P2
GW273049			22/01/2009	18/03/2010					T T		DWR DISC	Hillston Bridge East
\$GW273049_01			22/01/2009	13/08/2013					T		DWR GWP	HILLSTON BRIDGE E 1
\$GW273049_02			22/01/2009	13/08/2013							DWR GWP	HILLSTON BRIDGE E 2
GW273050			22/01/2009	18/03/2010					T	18/03/2010	DWR DISC	Hillston Bridge cent
\$GW273050_01			22/01/2009	13/08/2013							DWR GWP	HILLSTON BRIDGE C1
\$GW273050_02			22/01/2009	13/08/2013							DWR GWP	HILLSTON BRIDGE C2
GW273051			22/01/2009	18/03/2010					T	20/10/2010	DWR DISC	Hillston Bridge West
\$GW273051_01			22/01/2009	13/08/2013							DWR GWP	HILLSTON BRIDGE W 1
\$GW273051_02			22/01/2009	13/08/2013							DWR GWP	HILLSTON BRIDGE W 2
GW273056			12/02/2009	19/03/2010					T	19/03/2010	DWR DISC	Woodlands
GW273056_01			12/02/2009	18/07/2013					T		DWR GWP	Woodlands
GW273056_02			12/02/2009	18/07/2013					T		DWR GWP	Woodlands
GW273057			18/12/2008	19/03/2010					T T	19/03/2010	DWR DISC	Macs Reserve
GW273057_01			18/12/2008	17/07/2013					T T		DWR GWP	Macs Reserve
GW273057_02			18/12/2008	17/07/2013					T T		DWR GWP	Macs Reserve
GW273058			18/12/2008	19/03/2010					T	19/03/2010	DWR DISC	Macs Reserve
GW273058_01			18/12/2008	17/07/2013					T		DWR GWP	Macs Reserve
GW273058_02			18/12/2008	17/07/2013					T		DWR GWP	Macs Reserve
GW273059			18/12/2008	19/03/2010					T	19/03/2010	DWR DISC	Macs Reserve
GW273059_01			18/12/2008	17/07/2013					T		DWR GWP	Macs Reserve
GW273059_02			18/12/2008	17/07/2013					T		DWR GWP	Macs Reserve
GW273076_03			19/01/2011	16/10/2013							DWR GWP	CARRATHOOL
GW273078_01											DWR GWP	273078 @ M/Cliffs
GW273078A			28/08/2009	31/07/2013							DWR GWP	273078 @ M/Cliffs
GW273079_01											DWR GWP	273079 @ M/Cliffs

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GW273079_02												DWR GWP	273079 @ M/Cliffs
GW273079A			28/08/2009	31/07/2013								DWR GWP	273079 @ M/Cliffs
GW273079B				31/07/2013								DWR GWP	273079 @ M/Cliffs
GW273080_01												DWR GWP	273080 @ M/Cliffs
GW273080A			28/08/2009	31/07/2013								DWR GWP	273080 @ M/Cliffs
GW273080B				31/07/2013								DWR GWP	273080 @ M/Cliffs
GW273081_01												DWR GWP	273081 @ M/Cliffs
GW273081A			28/08/2009	01/08/2013								DWR GWP	273081 @ M/Cliffs
GW273082_01												DWR GWP	273082 @ M/Cliffs
GW273082A			28/08/2009	31/07/2013								DWR GWP	273082 @ M/Cliffs
GW273083_01												DWR GWP	273083 @ M/Cliffs
GW273083A			28/08/2009	30/07/2013								DWR GWP	273083 @ M/Cliffs
GW273091												DWR GWP	Ulan reserve
GW273092												DWR GWP	Swords Moolarben 1
GW273094												DWR GWP	Swords Moolarben 2
GW273095												DWR GWP	Swords Moolarben 3
GW273096			16/05/2012	10/07/2013						T		DWR GWP	Cox Moolarbev 1
GW273098			16/05/2012	10/07/2013						T		DWR GWP	Cox Moolarben 2
GW273100												DWR GWP	Rosedale Wollar
GW273101												DWR GWP	memorial park
GW273102			27/06/2012	10/09/2013						T		DWR GWP	Sledmere Scone
GW273103			21/06/2012	10/09/2013						T		DWR GWP	Ballcrystie
GW273104			20/06/2012	13/11/2013						T		DWR GWP	Constable Yarrowa
GW273105												DWR GWP	widden south
GW273106												DWR GWP	widden north
GW273116			20/06/2012	03/12/2013						T		DWR GWP	Bronwynn Park
GW273117			23/05/2012	09/10/2013						T		DWR GWP	Hungerford Broke
GW273118			11/09/2012	09/10/2013						T		DWR GWP	Stock Reserve
\$GW273164_01			20/09/2011	21/08/2013								DWR PJI	JUDE STREET EAST
\$GW273165_01			21/10/2011	21/08/2013								DWR PJI	JUDE ST HOWLONG
\$GW273166_01			21/10/2011	21/08/2013								DWR PJI	LORD ST HOWLONG
\$GW273167_01			19/09/2011	03/10/2013								DWR PJI	HAMPDEN 1 WAGGA
\$GW273167_02			19/09/2011	03/10/2013								DWR PJI	HAMPDEN 2 WAGGA
\$GW273168_01			19/09/2011	03/10/2013								DWR PJI	WILKS 1 WAGGA
\$GW273168_02			19/09/2011	03/10/2013								DWR PJI	WILKS 2 WAGGA
GW273185												DWR GWP	Red Plain
\$GW273191			20/07/2011	19/11/2013								DWR GWP	BAROONA EAST
\$GW273192			20/07/2011	19/11/2013								DWR GWP	BAROONA WEST

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	n m n r p n m y	d b h d d g	Code	Class				
GW304427			20/10/2003	21/01/2004										30/03/2004	DWR		STP-D	
GW403561B			08/01/2007	07/02/2012											DWR	GWP	O'Sheas Lane	
GW403564A			09/01/2007	04/12/2012											DWR	GWP	O' Sheas Lane 2	
GW403564B				13/11/2013											DWR	GWP	O'Sheas Lane 2	
GW403571A			08/01/2007	12/11/2013											DWR	GWP	West of Dellapool	
GW403571B				15/02/2011											DWR	GWP	West of Dellapool	
GW403572B			08/01/2007	12/11/2013											DWR	GWP	Dellapool	
GW403573A			08/01/2007	12/03/2013											DWR	GWP	Deepwater Rd	
GW403573B				13/11/2013											DWR	GWP	Deepwater Rd	
GW403605A			09/01/2007	07/11/2013											DWR	GWP	Mundow Lane	
GW403605B				30/07/2013											DWR	GWP	Mundow Lane	
GW403746_03			27/03/2009	08/05/2013											DWR	GWP	MOONBRIA	
GW403747_03			24/03/2010	08/07/2013											DWR	GWP	MCLENNONS BORE ROAD	
GW404262			26/02/2008	04/05/2009										04/05/2009	DWR	DISC	Old Borambola	
GW404264			26/02/2008	04/05/2009										04/05/2009	DWR	DISC	Sturt Highway	
GW404269			26/02/2008	04/05/2009										04/05/2009	DWR	DISC	Tarcutta Village	
GW404614_01			25/02/2009	30/06/2010										30/06/2010	DWR	DISC	YANGA 10	
GW404615_01			25/10/2008	30/06/2010										30/06/2010	DWR	DISC	YANGA 11	
GW404616_01			25/10/2008	30/06/2010										30/06/2010	DWR	DISC	YANGA 12	
GW404617_01			05/08/2008	30/06/2010										30/06/2010	DWR	DISC	YANGA 05	
GW404618_01														30/06/2010	DWR	DISC	YANGA 06	
GW404619_01			05/08/2008	30/06/2010										30/06/2010	DWR	DISC	YANGA 07	
GW404620_01			05/08/2008	30/06/2010										30/06/2010	DWR	DISC	YANGA 03	
GW419051														30/04/2010	DWR		GW HUB Maules Ck	
GW500512A			20/09/2006	01/08/2013											DWR		500512@M/Cliffs	
GW500513A			10/08/2006	01/08/2013											DWR		500513@M/Cliffs	
GW500515A			24/06/1998	01/08/2013											DWR		500515@M/CLIFFS	
GW500521A			28/12/2007	01/08/2013											DWR	PJI	MALLEE CLIFFS	
GW500531A			23/03/1994	30/07/2013											DWR		PARINGI	
GW500541A			22/06/1993	30/07/2013											DWR		M/CLIFFS	
GW500542A			23/06/1998	31/07/2013											DWR		M/CLIFFS	
GW500552A			08/05/2001	11/07/2001										11/07/2001	DWR		WEIR POOL STUDY @ MD	
GW500554A			09/05/2001	11/07/2001										11/07/2001	DWR		WEIR POOL STUDY @ MD	
GW500560A			15/06/1998	01/07/2004										01/07/2004	DWR		M/CLIFFS	
GW500561A			17/06/1998	30/06/2004										30/06/2004	DWR		M/CLIFFS	
GW500562A			17/06/1998	29/07/2013											DWR		M/CLIFFS	
GW500563A			02/04/2000	21/04/2005										21/04/2005	DWR		TALYWALKA @ MENINDEE	
GW500566A			30/05/2006	06/09/2007											DWR	GWP	Bore @ Cattle Yards	

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	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a t t o u i u x	m m n r p n m y	d b h d d g				Code	Class	
GW500568A			13/12/1995	04/11/2013												DWR	GWP	LK VIC
GW500568B				04/11/2013												DWR	GWP	LK VIC
GW500571A			13/04/1994	13/08/2013												DWR		LMBRT ISLE
GW500572A			13/07/1994	06/08/2010												DWR		LMBRT ISLE
GW500573A			14/04/1994	08/02/2012												DWR		LMBRT ISLE
GW500574A			05/03/1991	08/02/2012												DWR		LMBRT ISLE
GW500575A			13/04/1994	13/08/2013												DWR		LMBRT ISLE
GW500576A			14/04/1994	13/08/2013												DWR		LMBRT ISLE
GW500577A			25/06/1998	18/11/2009												DWR		LMBRT ISLE
GW500578A			29/06/1998	30/05/2004												DWR		LMBRT ISLE
GW500579A			06/03/1991	13/08/2013												DWR		LMBRT ISLE
GW500580A			06/03/1991	13/08/2013												DWR		LMBRT ISLE
GW500581A			12/04/1994	13/08/2013												DWR		LMBRT ISLE
GW500582A			12/04/1994	13/08/2013												DWR		LMBRT ISLE
GW500583A			14/04/1994	13/08/2013												DWR		LMBRT ISLE
GW500584A			27/06/1993	08/02/2012												DWR		LMBRT ISLE
GW500585A			14/12/1995	03/10/2002												DWR		LK VIC
GW500585B				15/04/2013												DWR		LK VIC
GW500586A			10/04/1999	03/10/2002												DWR		LK VIC
GW500586B				04/08/2006												DWR		LK VIC
GW500586C				01/11/2013												DWR		LK VIC
GW500586D				01/11/2013												DWR		LK VIC
GW500589A			10/04/1999	01/11/2013												DWR		LK VIC
GW500589B				02/11/2013												DWR		LK VIC
GW500591A			10/04/1999	02/10/2002												DWR		LK VIC
GW500591B				01/11/2013												DWR		LK VIC
GW500591C				01/11/2013												DWR		LK VIC
GW500592A			15/12/1995	09/10/2002												DWR		LK VIC
GW500592B				31/10/2013												DWR		LK VIC
GW500592C				31/10/2013												DWR		LK VIC
GW500593A			15/12/1995	09/10/2002												DWR		LK VIC
GW500593B				31/10/2013												DWR		LK VIC
GW500593C				31/10/2013												DWR		LK VIC
GW500594A			16/12/1995	09/10/2002												DWR		LK VIC
GW500594B				31/10/2013												DWR		LK VIC
GW500594C				31/10/2013												DWR		LK VIC
GW500595A			16/12/1995	10/10/2002												DWR		LK VIC
GW500595B				04/11/2013												DWR		LK VIC

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R A W C T W H O a t t o u i u x i m m n r p n m y n p p d b H d d g	Discont. Date	Org. Net		NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	No. of Tabs	No. of Gaug			Code	Class	
GW500595C				04/11/2013								DWR	LK VIC	
GW500596A			16/12/1995	10/10/2002								DWR	LK VIC	
GW500596B				04/11/2013								DWR	LK VIC	
GW500596C				04/11/2013								DWR	LK VIC	
GW500597A			15/12/1995	02/10/2002								DWR	LK VIC	
GW500597B				31/10/2013								DWR	LK VIC	
GW500597C				31/10/2013								DWR	LK VIC	
GW500598A			16/12/1995	17/10/2002								DWR	LK VIC	
GW500598B				16/04/2013								DWR	LK VIC	
GW500598C				07/11/2013								DWR	LK VIC	
GW501128A			20/06/2011	29/04/2013								DWR	GWP	501128
GW503647A			05/12/2011	30/04/2013								DWR	GWP	503647
GW503648A			05/12/2011	27/05/2012								DWR	GWP	503648
GW503649A			05/12/2011	30/04/2013								DWR	GWP	503649
GW503650A			22/06/2011	18/06/2012								DWR	GWP	503650
GW503651A			06/12/2011	13/11/2012								DWR	GWP	503651
GW503652A			06/12/2011	29/04/2013								DWR	GWP	503652
GW503653A			05/12/2011	29/03/2013								DWR	GWP	503653
GW503654A			21/06/2011	15/05/2012								DWR	GWP	503654
GW503656A			20/06/2011	29/04/2013								DWR	GWP	503656
GW503657A			21/06/2011	29/04/2013								DWR	GWP	503657
GW503658A			21/06/2011	29/04/2013								DWR	GWP	503658
GW503659A			21/06/2011	29/04/2013								DWR	GWP	503659
GW503660A			06/12/2011	30/04/2013								DWR	GWP	503660
GW503661A			22/06/2011	30/04/2013								DWR	GWP	503661
GW503662A			22/06/2011	18/12/2011								DWR	GWP	503662
GW503663A			22/06/2011	19/08/2012								DWR	GWP	503663
GW503665A			22/06/2011	30/04/2013								DWR	GWP	503665
GW503666A			22/06/2011	05/07/2012								DWR	GWP	503666
GW503667A			22/06/2011	28/09/2012								DWR	GWP	503667
GW503668A			22/06/2011	25/09/2012								DWR	GWP	503668
GW503669A			23/06/2011	24/09/2012								DWR	GWP	503669
GW503670A			08/12/2011	16/10/2012								DWR	GWP	503670
GW503671A			23/06/2011	01/05/2013								DWR	GWP	503671
GW503672A			23/06/2011	01/05/2013								DWR	GWP	503672
GW503673A			23/06/2011	01/05/2013								DWR	GWP	503673
GW503675A			23/06/2011	01/05/2013								DWR	GWP	503675
GW503677A			23/06/2011	07/01/2013								DWR	GWP	503677

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GW503678A			23/06/2011	27/08/2012								DWR GWP	503678
GW503679A			23/06/2011	01/05/2013								DWR GWP	503679
GW503680A			23/06/2011	01/05/2013								DWR GWP	503680
GW600023A			14/05/2004	08/07/2013								DWR GWP	600023 @ Dareton
GW600024A			14/05/2004	08/07/2013								DWR GWP	600024 @ Dareton.
GW600025A			10/05/2004	08/07/2013								DWR GWP	600025 @ WMI
GW600164A			03/01/2008	13/08/2013								DWR PJI	7065@Lambert Isle
GW600407A			22/11/2012	08/07/2013								DWR GWP	600407 @ Bogga Billa
GW600408A			22/11/2012	08/07/2013								DWR GWP	600408 @ Coomy Golf
GW600409A			22/11/2012	24/06/2013								DWR GWP	600409 @ Gol Gol Nth
GW800232			05/10/2006	18/08/2009							06/11/2013	DWR GWP	TOMPKINS Rd Pipe 1
GW800232_02			05/10/2006	17/07/2013								DWR GWP	TOMPKINS Rd Pipe 2
GW800232_03			05/10/2006	17/07/2013								DWR GWP	TOMPKINS Rd Pipe 3
GW800233_01			16/02/2010	17/07/2013								DWR	West Backwater Rd P1
GW800233_02			03/03/2010	17/07/2013								DWR	West Backwater Rd P2
GW800233_03			31/08/2009	17/07/2013								DWR	West Backwater Rd P3
GW800258			04/10/2006	11/09/2012							06/11/2013	DWR GWP	Farrendale Rd Pipe 1
GW800258_02			04/10/2006	17/07/2013								DWR GWP	Farrendale Rd Pipe 2
GW800554			05/07/2006	17/07/2013								DWR GWP	HAMILTONS Rd Pipe 1
GW802212_01			15/11/2011	06/03/2013						T		DWR	GW802212_01
GW802214_01			15/11/2011	23/07/2012						T		DWR	GW802214_01
GW88175A												DWR	88175@M/Cliffs
GW88176A												DWR	88176@M/Cliffs
GW901421			03/05/2005	02/08/2006						T	02/08/2006	DWR GWP	ZONE 1A
GW901635			03/05/2005	02/08/2006						T	02/08/2006	DWR GWP	ZONE 1A
GW901938			03/05/2005	02/08/2006						T	02/08/2006	DWR GWP	ZONE 1A
GW902099			03/05/2005	18/08/2010						T	18/08/2010	DWR GWP	ZONE 1A
GW967087			25/01/2006	07/08/2006						T	07/08/2006	DWR GWP	Ashley
GW967089			08/02/2006	07/08/2006						T	07/08/2006	DWR GWP	Ashley - Bullerana
GW967090			08/02/2006	07/08/2006						T	07/08/2006	DWR GWP	Ashley - Bullerana
GW967094			25/01/2006	08/08/2006						T	08/08/2006	DWR GWP	Mungindi-Ballinbora
GW967103			09/02/2006	08/08/2006						T	08/08/2006	DWR GWP	Boomi - Dolgelly
GW967105			09/02/2006	08/08/2006						T	08/08/2006	DWR GWP	Boomi- Boonanga Xing
GW967108			09/02/2006	08/08/2006						T	08/08/2006	DWR GWP	Boomi Town
GW967110			09/02/2006	08/08/2006						T	08/08/2006	DWR GWP	Boomi
GW967111			14/03/2006	08/08/2006						T	08/08/2006	DWR GWP	Mungindi
GW967113			14/03/2006	08/08/2006						T	08/08/2006	DWR GWP	Mungindi Town
GW967125			24/01/2006	07/08/2006						T	07/08/2006	DWR GWP	Bellata

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GW967127			24/01/2006	07/08/2006					T	07/08/2006	DWR GWP	Bellata
GW967128			24/01/2006	07/08/2006					T	07/08/2006	DWR GWP	Bellata
GW967132			08/02/2006	07/08/2006					T	07/08/2006	DWR GWP	Auscott
GW967135			08/02/2006	07/08/2006					T	07/08/2006	DWR GWP	Ashley - Auscott
GW967137										16/11/2005	DWR GWP	Maules Ck Zone 11
GW967137_1			16/11/2005	24/10/2013					T		DWR GWP	Maules Ck Elfin Xing
GW967137_2			16/11/2005	24/10/2013					T		DWR GWP	Maules Ck Elfin Xing
GW967138										16/11/2005	DWR GWP	Maules Ck Zone 11
GW967138_1			16/11/2005	24/10/2013					T		DWR GWP	Maules - Green Gully
GW967138_2			06/09/2007	24/10/2013					T		DWR GWP	Maules - Green Gully
GW967225			15/03/2006	08/08/2006					T	08/08/2006	DWR GWP	Croppa Ck
GW967226			15/03/2006	08/08/2006					T	08/08/2006	DWR GWP	Croppa Ck
GW967227			15/03/2006	08/08/2006					T	08/08/2006	DWR GWP	Croppa Ck
GW967566_01			26/01/2010	30/07/2013							DWR GWP	GWIP LG Newell Hwy
GW967567_01			10/11/2009	30/07/2013							DWR GWP	GWIP LG Gwydir Hwy
GW967567_02			25/01/2010	30/07/2013							DWR GWP	GWIP LG Gwydir Hwy
GW967567_1											DWR GWP	GWIP LG Gwydir Hwy
GW967567_2											DWR GWP	GWIP LG Gwydir Hwy

DATA SUMMARY

Sites with Height data	3672	67196.9 years of data	Sites with Rainfall Data	238	3776.8 years of data
Sites with Flow data	4386	315066.6 years of data			
Sites with Air Temp. Data	51	162.2 years of data			
Sites with Humidity Data	5	10.4 years of data			
Sites with Wind Data	18	41.1 years of data			
Sites with Water Temp. Data	1138	6661.2 years of data			
Sites with Conductivity Data	490	4067.6 years of data			
Sites with Turbidity Data	61	308.4 years of data			
Sites with pH Data	44	269.3 years of data			
Sites with Diss.Oxygen Data	18	35.7 years of data	Current sites	2836	
Sites with Water Quality data	1751		Closed sites	1368	
			Total sites reported	4204	

Station Number	FLOWS		HEIGHTS		RATINGS		No. No.			R	A	W	C	T	W	H	O	Discont.	Org. Net	NAME
	Start	End	Start	End	First Starts	Last Starts	Last Tab	of Tabs	of Gaug	a	t	t	o	u	i	u	x			
										i	m	m	n	r	p	n	m	y	Date	Code Class
										n	p	p	d	b	H	d	d	g		

Appendix C – Pinneena Quality Codes

The weaker the data available upon which to base one's conclusion, the greater the precision which should be quoted in order to give the data authenticity.

[Norman Ralph Augustine](#)

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
1		<ul style="list-style-type: none"> •95% confidence bounds within $\pm 5\%$ of the rating, and rating passes the value bias, sign bias, time runs and stage runs tests or •below CTF where CTF is stable & clearly defined or •rating uses the equation of a standard measuring control such as a V-notch weir or Parshall flume, with coefficients confirmed by gaugings or •storage rating determined by survey. Default quality code for storage capacity tables and catchment area tables 		No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 5 mm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 5 mm/100mm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is $\pm 0.5^{\circ}\text{C}$	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 10 mS/cm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 10 NTU	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 0.2 pH units	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 0.5 mg/L

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
2	A			One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 5 mm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 5 mm/100mm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 0.5°C	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 10 mS/cm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 10 NTU	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 0.2 pH units	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 0.5 mg/L
3		95% confidence bounds within $\pm 10\%$ of the rating, and rating passes the value bias, sign bias and stage runs tests.		No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 10 mm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 10 mm/100mm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 1.0°C	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 20 mS/cm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/-	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 0.4 pH units	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 1.0 mg/L

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
								20 NTU		
4	A			One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 10 mm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 10 mm/100mm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 1.0°C	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 20 mS/cm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 20 NTU	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 0.4 pH units	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 1.0 mg/L

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
5		<ul style="list-style-type: none"> • 95% confidence bounds within $\pm 20\%$ of the rating, and rating passes the value bias, sign bias and stage runs tests or • rating derived by at least three theoretical methods agreeing within 10%, for streams with no artificial control effective in the stage range under consideration or • rating derived from theoretical equation for a standard measuring control such as a V-notch weir or Parshall flume, using theoretical coefficients unchecked by gaugings. 		No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 20 mm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 10 mm/100mm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is $\pm 1.5^{\circ}\text{C}$	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 50 mS/cm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 40 NTU	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 0.6 pH units	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is ± 1.5 mg/L

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
6	A		Good gauging to AS3778. Uncertainty < 5% @ 95% Confidence Limits or Cease to Flow or Calibrated Volumetric	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 20 mm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is >+/- 10 mm/100mm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 1.5°C	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 50 mS/cm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 40 NTU	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 0.6 pH units	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 1.5 mg/L
7	*	<ul style="list-style-type: none"> 95% confidence bounds within $\pm 30\%$ of the rating. or rating would be quality coded 1, 3 or 5, except that it fails the value bias, sign bias or stage runs test. 	Uncertainty < 7.5% @ 95% Confidence Limits Normal Gauging or Normal Gauging Low Flow or Normal Volumetric or Moving Boat Gauging	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 50 mm		No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 4.0°C	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 100 mS/cm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/-	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is +/- 1.0 pH units	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is >+/- 1.5 mg/L

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
								100 NTU		
8	A			One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 50 mm		One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 4.0°C	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 100 mS/cm	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 100 NTU	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is +/- 1.0 pH units	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point is >+/- 1.5 mg/L

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
9	*	<ul style="list-style-type: none"> • Insufficient gaugings to apply confidence bounds or • rating derived by fewer than three theoretical methods or • extrapolation based on gaugings which are more than 5 years outside period of applicability of rating or • below CTF where CTF is unstable or undefined. 		No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is >+/- 50 mm		No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is >+/- 4.0°C	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is >+/- 100 mS/cm	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is >+/- 100 NTU	No data in the period have been adjusted from sensing system measurement in any way. Maximum discrepancy between the sensor reading and the reference point is >+/- 1.0 pH units	
10	A			One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point		One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading and the reference point	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the	One or more data points have been adjusted during the editing process and time accuracy < + 2 hour. Maximum discrepancy between the sensor reading	

Code	Print code	Ratings	Gaugings	Level	Rain	Temp erature	Conductivity	Turbidity	pH	DO
				is >+/- 50 mm		and the reference point is >+/- 4.0°C	is >+/- 100 mS/cm	sensor reading and the reference point is >+/- 100 NTU	and the reference point is >+/- 1.0 pH units	
11	%			Synthetic or Artificial Data. Probe is out of water (dry streambed), but computed (zero) flow is required		Probe is out of water and measured values have no meaning. A special value for temperature is recorded. Regard the value as synthetic.	Probe is out of water and measured values have no meaning. A special value for conductivity is recorded. Regard the value as synthetic.	Probe is out of water and measured values have no meaning. A special value for turbidity is recorded. Regard the value as synthetic.	Probe is out of water and measured values have no meaning. A special value for pH is recorded. Regard the value as synthetic.	Probe is out of water and measured values have no meaning. A special value for DO is recorded. Regard the value as synthetic.
12			Uncertainty <10% @ 95% Confidence Limits Brief Gauging Low Flow or Normal Gauging Large Airline/Wetline Correction or Normal Gauging Large Angle							

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
			of Flow or Scientific/ Technological Flow Measurement or Historic Gauging No Calculations							
17			Uncertainty <12.5% @ 95% Confidence Limits: Brief Volumetric or Normal Gauging Adjusted Height Or Discharge or Normal Gauging Shallow Section or Part Estimated Discharge Low Flow or Pre-calibrated Measuring Structures or Normal Gauging							

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
			Irregular/Rapid Change in Stage							
24	#				Event day in accumulated period					
26	D			Daily read reading, accumulated reading of period ≥ 24 hours or discrete (spot) sample						
30	B	Covers segment with number of gaugings ≥ 5 , where 95% of gaugings are within 5% of discharge on the curve and relevant period of applicability or segments below CTF where the		Record Processed ± 5 mm, time within ± 5 minutes	1:4 exposure, 0-0.3m above ground level, clear of vegetation, TBRG calibration $\pm 3\%$, Catch diameter 200/203 mm, time within ± 5 minutes.	Good quality data $\pm 0.5^\circ\text{C}$ time ± 5 mins	Data $\pm 2\%$ of standard solutions, time correct within ± 5 mins	Good quality data $\pm 5\%$ (0.5 NTU) for calibrated reference and Inst. range 0 - 10 NTU ± 5 mins Good quality data $\pm 5\%$ (5.0 NTU) for calibrated	Good quality data ± 0.2 pH units, time correct ± 5 minutes	Good quality data ± 0.5 mg/L, time correct ± 5 minutes

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
		control is clearly defined, stable & unaffected by sedimentation						reference and Inst. range 0 - 100 NTU+/- 5mins Good quality data +/- 2% (20 NTU) for calibrated reference and Inst. range 0 - 1000 NTU+/- 5mins		
31			Uncertainty <15% @ 95% Confidence Limits Brief Gauging High Flow or Estimated Discharge Low Flow or Wireless Gauging							
32	B			Record Processed +/- 10 mm, time within +/- 5 minutes	1:4 exposure, 0-0.3m above ground level, clear of vegetation, TBRG calibration +/- 3%, Catch	Good quality data +/-1.0°C .time correct 5 minutes	Good quality data 5% of calibrated reference, time within +/- 5 mins.		Data +/- 0.4pH units, time +/- 5 minutes	data +/- 1.0 mg/L, time within +/- 5 minutes

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
					diameter 200/203 mm, time within +/- 15 minutes					
33	B			record processed +/- 10 mm, within +/- 30 minutes						
34	B	Covers segment with number of gaugings ≥ 5 , where 95% of gaugings are within 10% of discharge on the curve and relevant period of applicability								
35			Uncertainty <20 @ 95% Confidence Limits Normal Gauging Bad Site or Normal Gauging Backwater Affected or Surface Velocities							

Code	Print code	Ratings	Gaugings	Level	Rain	Temp erature	Conductivity	Turbidity	pH	DO
36				Daily read record + spot samples +/- 10 mm. time correct +/- 15 min	1:4 exposure, 0-0.3m above ground level, clear of vegetation, daily totals +/- 3%, timing error <= 15 mins	Good quality daily read data +/-1.0°C .time correct 15 minutes	Good quality daily read data +/- 5% of calibrated reference time correct +/- 15 minutes.	Good quality daily read data +/- 5% Inst. range time correct +/- 15 minutes	Good quality daily read data +/- 0.2 pH , time correct +/- 15 minutes.	Good quality daily read data +/- 0.5 mg/L, time correct, +/- 15 minutes
38	C	Record processed pre 1/11/96 and previously coded good		Record processed pre 1/11/96 and previously coded good						
39	U			Level below sensor and no flow. An estimate must be provided with comments, else use 201		Water level below sensor and no flow. Do not archive data recording air temperature. If the stream is Dry, An estimate of minus 9° can be used, else use 201.	Water level below sensor and no flow. Zero can be used + comments. Else use 201	Water level below sensor and no flow. "-1" can be used + comments, else use 201.	Water level below sensor and no flow. Zero can be used + comments, else use 201.	Water level below sensor and no flow, Zero can be used with a comment, else use 201.
40	F			Record processed +/- 20 mm, within +/- 1 hr. (Code may be affected by recorder type.)	1:2 exposure. TBRG calibration +/- 5%, Catch diam. < 200 mm, time within +/- 30 minutes. less	Fair quality data +/- 1.5 C time within +/- 1 hour	Fair quality data 10% of calibrated reference time within +/- 1 hour	Fair quality data +/- 7.5% (0.75 NTU) for calibrated reference and Inst. range 0-10	Fair quality data +/- 0.6 pH units, time correct +/- 1 hour	Fair quality data +/- 1.0 mg/L of, time correct +/- 1 hour

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
					than 1m above ground level.			NTU +/-1hr. Fair quality data +/- 7.5% (7.5 NTU) for calibrated reference and Inst. range 0-100NTU +/- 1hr Fair quality data +/- 4.0% (40 NTU) for calibrated reference & Inst. range 0-1000NTU +/-1hr		
41	F	Covers gauged segment with no. of gaugings ≥ 5 , where 95% of gaugings are within 15% of discharge on the curve and relevant period of applicability			1:2 exposure TBRG calibration +/- 5%, Catch diam. < 200 mm, time within +/- 1 hour less than 1m above ground level.					
44	F	Covers gauged segment with number of gaugings ≥ 5 , where 95% of								

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
		gaugings are within 20% of discharge on the curve and relevant period of applicability								
45	H			Spot samples (including daily read) +/- 20 mm, time within +/- 1 hr	Daily Totals 1:2 exposure calibration +/- 10%, Catch diam. < 200 mm, Timing £ 1 hour	Fair quality daily read and spot samples +/- 1.5°C; time correct +/- 1 hr	Fair quality daily read and spot samples +/- 10% of calibrated reference; time correct +/- 1 hr	Fair quality daily read and Spot samples +/- 10% of calibrated reference; time correct +/- 1 hr	Fair quality daily read and spot samples +/- 0.6 pH of calibrated ref. time +/- 1hr	Fair quality daily read and spot samples +/- 1.0 mg/L of calibrated reference; time correct +/- 1 hr
46	J			Ht measured to +/- 20mm, time unknown						
51	E			Data estimated - see comments						
52	E	Rating affected by backwater. This applies only to ratings where insufficient gaugings or slope information has been obtained to enable hysteresis (loop) ratings to be derived.								

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
54			Uncertainty <25% @ 95% Confidence Limits Normal Gauging Distant Site or Suspect Gauging or Normal Gauging Reference Height							
57	L	Data limited by client specifications, meets site brief. Fulfil requirements laid out in quality code 40		Data limited by client specifications, meets site brief. Fulfil requirements laid out in quality code 40						
58	G	Record processed prior to 1/11/96 qcoded fair		Record processed prior to 1/11/96 qcoded fair						

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
60	P			Record Processed +/- 50 mm time within +/- 2 hours (Code may be affected by recorder type).	<1:2 exposure TBRG calibration +/- 20%, time within +/- 2 hours	Poor quality data +/- 4.0°C time +/- 2 hour	Poor quality within +/- 20% of calibrated reference , time correct +/- 2 hours.	Poor quality data +/- 10% (1.0 NTU) for calibrated reference and Inst. range 0 - 10 NTU +/- 2 hours Poor quality data +/- 10% (10.0 NTU) for calibrated reference and Inst. range 0 - 100 NTU +/- 2 hours Poor quality data +/- 6.0% (60 NTU) for calibrated reference and Inst. range 0 - 1000 NTU +/- 2 hours	Poor quality data +/- 1.0 pH, time correct +/- 2 hours	Poor quality data +/- 1.5 mg/L time correct +/- 2 hours
61	P	Covers gauged segment with number of gaugings >=5, where 95% of gaugings are within 25% of discharge on the			<1:2 exposure, or error > +/- 20%, or time outside +/- 2 hours. It includes conditions such as time					

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
		curve and relevant period of applicability			errors by fog, dew, mist, frost, snow , or cumulative total >24 hours					
62	R	n<5, High segment of rating table, infrequently gauged								
63	R	n<5; low segment of table, (possibly subject to unstable conditions)								
64	R	Covers gauged segment with number of gaugings n >=5, where 95% of gaugings are within 30% of discharge on the curve and relevant period of applicability,								
65	S			Poor quality spot samples (including daily read record) processed +/-	Poor quality spot samples, (including daily read record) – conditions as	Poor quality spot samples (including daily read data) +/- 4.0degC of	Poor quality spot samples (including daily read data; +/- 20% of	Poor quality spot samples (including daily read	Poor quality spot samples (including daily read data - Conditions as	Poor quality spot sample including daily read data; +/- 1.5 mg/L time

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
				50 mm, within +/- 2 hr	per 60	calibrated reference, time correct +/- 2 hr	calibrated reference; time correct +/- 2 hr	data); +/- 20% of calibrated reference; time correct +/- 2 hr	per quality code 60	correct +/- 2 hr
66	P			Time of sample not known – Data satisfactory +/- 50 mm						
67	L	Data limited by client specifications, meets site brief. Conditions as per '60'.		Data limited by client specifications, meets site brief. Conditions as per '30'.						
68	Q	Rrecord processed prior to 1/11/96 qcoded poor		record processed prior to 1/11/1996 qcoded poor (was= 30)						
70	P						Poor quality within +/- 30% of calibrated reference , time correct +/- 2 hours			
71			Uncertainty >30% @ 95% Confidence Limits Part Gauged/							

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
			Estimated							
72	P						Poor quality within +/- 50% of calibrated reference , time correct +/- 2 hours			
73	P						Poor quality within +/- 100% of calibrated reference , time correct +/- 2 hrs			
74	P						Poor quality greater than +/- 100% of calibrated reference, time correct +/- 2 hrs			
75	T	Theoretical segment of curve that has been derived by: only one theoretical means & hasn't been verified by discharge observations or by theoretical sewer surcharge rating or extrapolated								

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
		based on gaugings not in period of applicability or interpolated for a mid-segment where $n < 5$.								
77	L	Data limited by client specifications, meets site brief.		Data limited by client specifications, meets site brief. EC only - "conditions as per codes 70, 72, 73 & 74"						
80	X	Record processed prior to 1/11/96. Was 'Rating Extrapolated - Poor'								
82	T	Theoretical segment of Rating table - where 3 methods used to prescribed standards agree within 10% of the curve., or standard primary device								

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
		eg weir or flume.								
91	T	Theoretical segment of curve that has been derived by two theoretical means (which agree within 20%) and has not been substantiated by discharge observations								
94	X	Record processed prior to 1/11/96. Was 'Rating Extrapolated - Good'								
95	X	Record processed prior to 1/11/96 Was 'Rating Extrapolated - Fair'								
100	\$	Table for which quality, accuracy and/or derivation is not known or tables derived before	Uncertainty >50% @ 95% Confidence Limits Estimated Discharge	Data for which quality, accuracy, &/or derivation is not known, or data suspect or						

Code	Print code	Ratings	Gaugings	Level	Rain	Temperature	Conductivity	Turbidity	pH	DO
		1/11/1996 or table provided by another authority.	High Flow or Not Coded	Data supplied by other authorities.						
130	@	Not quality coded - subject to change		Data not yet quality coded						
140	@	Current rating, may be subject to change.								
152	(Rating Table not a good description of backwater effects.		Backwater Affected						
153			Gauging invalid or cease to flow							
201]	Rating not available for this stage		Data lost or not available for release; includes values recorded greater than the maximum value measured by the sensor or measuring device						
255		Data not available	Data not available	Data not available	Data not available	Data not available	Data not available	Data not available	Data not available	Data not available